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NEXUS

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Neurochemistry of Sex

**Covert weapons
for social control**

**Health secrets of
the Pomegranate**

**Amazing technologies
of Dr Harry Oldfield**

The conscious aether

ETs and the Vatican



• Papal Crimes • BioElectrography • "Littlefoot" •

NEXUS

NEW TIMES MAGAZINE

Volume 14, Number 3

APRIL – MAY 2007

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STATEMENT OF PURPOSE

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Editorial

A warm welcome to another info-packed edition of NEXUS Magazine. We have lots of interesting articles as usual, including two on the subject of photographing the human bioelectromagnetic fields (the aura). Now don't get me wrong: we are not talking about those aura photos that you get for \$25 at the various new-age trade fairs around the world. We are talking about real-time digital imagery of energy fields, displayed on screens, in full colour.

A few months ago, I was privileged to meet Dr Harry Oldfield and his partner Evy King as they passed through the Sunshine Coast region of Queensland, Australia (where we live) on a lecture tour. I first heard of Harry's technological and diagnostic breakthroughs many years ago, and I was more than impressed with what I saw in his presentation.

With the advent of modern technology, Harry has been able to streamline his equipment for imaging energy fields into a hand-held, palmtop computer with a built-in video camera. To be brief, it was wonderful to see photographic evidence confirming that we have chakras, acupuncture meridians and energy fields, and most importantly to see how illness is shown up in these energy fields—often before it shows up in our physical body. Of course, the next logical question is: if Harry can videotape and photograph auras and chakras with startling clarity, can his gear show up other "invisible" energy patterns, i.e., ghosts, cloaked UFOs, spirit entities, etc.? The answer is "yes", and it is this area that excites me the most. Due to the fact that we don't publish in colour, you will have to visit Harry's websites, noted in Evy King's article, to see some of the many images for yourself. I will be sure to have Harry at our next conference, whenever that's going to be.

In fact, the whole subject is just so fascinating that we also have a paper by Dr Roger Taylor with information on Russian advances in Kirlian photography and bioelectrography as well as his own findings. Indeed, you will notice from Roger's article and from David Wilcock's Science News article on the theories and experiments of Dr Nikolai Kozyrev just how advanced the Russian researchers are in terms of what Western scientists call "fringe science", so please make an effort to read about all these findings. (In fact, you may want to look more at other articles at David's most interesting website. Many people consider David Wilcock to be the reincarnation of "the sleeping prophet" Edgar Cayce, but, whatever the case, he certainly has a good eye for information that enables science to explain the metaphysical.)

The subjects of two health-related articles this issue are pomegranates and sex. We find that Mother Nature has endowed one of her oldest fruits with amazing healing properties. The pomegranate's health benefits were recognised thousands of years ago, and, as usual, we are only just now re-appreciating ancient knowledge with our "modern" understandings of reality. The article by the legendary Walter Last on sexual healing, health and spirituality is really quite amazing. I think many readers will recognise the effects of the various neurochemicals that we equate with love and/or lust. (In fact, I predict we will get more feedback on this article than on any other in this edition!)

Most readers of magazines like NEXUS have heard of yowies, yetis, Bigfoot, etc. Regardless of what you think these creatures may or may not be, the reports of them go back centuries, they are consistent in terms of physical characteristics and they occur all over the planet. What not many people know is that there are also reports going back centuries of a small type of yowie/yeti/Bigfoot found in many parts of the planet, especially here in Australia where the Aborigines know it by many names. I have met several people who have revealed their own encounters, but none wishes to go public. As you will see, even yowie field investigators found such tales hard to believe—at first!

I assume by now that regular NEXUS readers recognise that the "War on Terror" is bogus. After creating their own "enemy", the ruling elites are tightening their control on society via myriad technological means. Total surveillance, computers that detect if you are planning crimes, biometric ID systems and the loss of civil rights—how can I point out where all this is going without causing fear and being accused of creating negativity? It has almost reached the stage where *visualising* a sane, free and peaceful world is one of the few practical options left. Whether you call it prayer, meditation or visualisation, now is the time to do it: you have nothing more to lose now, and everything to gain!

Duncan

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Letters to the Editor ...

Revelations from Oldest Bibles

Dear Duncan: In light of responses from your readers [Letters, vol. 14, no. 2], it is important to say that biblical narratives referenced in my writings are drawn from the world's oldest Bibles: the Sinai, Alexandria, Ephraem, Syria and Bezae.

Archaeologists agree that the Sinai Bible, written on donkey skins, is the earliest of those Bibles and date its composition at around 380, making it over 1,600 years old.

These ancient tomes are dramatically different from modern Bibles and a simple comparison of the oldest Gospels with the newest Gospels shows that the spectacular claims the Church makes today for Jesus Christ are unsupportable. The existence of these old Bibles exposes all modern New Testaments as forgeries, and they can only be interpreted in that light.

Duncan, if you feel that your readers could benefit from knowing the latest revelations about Gospel origins, I would be pleased to prepare an article for your magazine [*Yes, go ahead! Ed.*]. It would provide results of infrared light tests done on the Sinai Bible at the British Museum, and reveal the staggering extent of premeditated falsifications in modern-day New Testaments.

Keep up the good work, Duncan. Your magazine is a light in the darkness.

Kind regards,

Tony Bushby [author of "The Criminal History of the Papacy" series, NEXUS vol. 14, nos 1-3, and *The Bible Fraud*]

Pro-fluoridation Fraud

Dear Editor: In Global News last issue [vol. 14, no. 2], you published the fact that Sir Richard Doll was paid by chemical companies. He denied the (proven) carcinogenic effect of Agent Orange. Though some people may have been shocked, I was not surprised at all.

Doll was one of the fervent promoters of fluoridation. When Dean Burk and John Yiamouyiannis (I allude to them from here as B&Y) in 1975 published their findings about the 10 per cent extra death rate in fluoridated cities, the whole fluoridation lobby hastened to disclaim their findings. Of course, Doll was among them. Here is part of what happened.

In order to refute B&Y's findings, the group claimed that B&Y had not corrected their figures for age, race and sex and that, when these corrections were made, the increase in the cancer death rate disappeared. (I follow closely Yiamouyiannis's book *Fluoride: the Aging Factor.*) During the fall of 1977, two congressional hearings were held. The Hoover group opposed B&Y.

It was then discovered that Dr Hoover and other National Cancer Institute officials had purposely withheld information from B&Y and, moreover, clandestinely sent erroneous data to Dr Leo Kinlen and Sir Richard Doll, professors at Oxford University, who *published the erroneous data as if they were their own.* Thus the illusion was wilfully created that independent research by two eminent professors had confirmed the data of the Hoover group, which was completely untrue. Precise calculation later confirmed the findings of B&Y, estimating in excess of 10,000 extra cancer deaths a year in the USA caused by fluoridation.

My dear deceased friends Dean Burk and John Yiamouyiannis would have been pleased with your publication about Richard Doll.

Sincerely yours,

Hans C. M., Haarlem, The Netherlands

Searl's Antigravity Craft

Dear Duncan: I am a subscriber to your amazing magazine. I've read a lot of issues but you have never published an article about John Searl's anti-gravity vehicle. His

invention is ready for use and was tested 20 years ago. Why isn't anyone from the aircraft and space industry interested in this breakthrough? They need \$2,000,000 to build a working prototype. If you are interested in this, please go to website <http://www.searleffect.com>. I would like to see an article about this issue, if this is possible.

Sincerely,

Igor R.

[*Dear Igor: Thanks for putting out the challenge. By the way, we ran an extract from John A. Thomas's book about John R. R. Searl's antigravity craft in vol. 2, no. 17, December 1993-January 1994. Ed.*]

Squandered Resources

Dear Editor: Many of your articles talk about saving gas and oil to help the world reduce pollution. Everyone talks about electric or hydrogen, etc.

It has been reported that General Motors developed an electronic vapour-burning carburettor in 1956 that would produce up to 1,000 mpg.

It has also been reported that in the 1960s about six kids in Texas and about three kids in Canada had made their own vapour boxes to feed vapour into the carb. These kids reportedly were getting 100-200 mpg with the big heavy V8s. It was reported that all of these kids died suddenly.

Then a man came out with a vapour-burning kit. Most people needed the help of a mechanic to install the kit. Immediately the word came out that any mechanic who changed a factory-set carb was to be fined \$10,000. So, it is my personal belief that we, the people, are being hoodwinked.

It has also been reported that the oil boys bought up all the oil shale fields in the USA. It has been reported that Germany during World War II used this shale for making gasoline. Reportedly, this shale made better gas than oil.

I have a question that I don't believe anyone will ever answer.

If all of the above is true or partly true, then *why* is gasoline and oil being burned, dumped, wasted and squandered as fast as possible?

Thomas F., USA

Persecuted by Health Alliance

Dear Duncan: Thank you for being a voice for those whose voices are being progressively silenced. The fascism of Australia has been presided over by the Liberals, but what is more disconcerting is that the Labor colleagues have been willing partners in the demise of freedom in this country.

On top of this we have "the alliance of evil"—the government, the TGA [Therapeutic Goods Administration] and the AMA [Australian Medical Association]—planning the murder of free speech in this once great land. The news of 7 February 2007 had the Assistant Minister of Health and Ageing breathing fire and brimstone against those who dare to promote anything except drugs. The consumers of Australia have to be protected from "snake oil peddlers"...but the question is: who are the "snake oil" hawkers?

On the Gold Coast there is a case before the courts of a woman charged with poisoning her children. Please note the word "poison". The poison mentioned in the newspaper is none other than Valium.

Do you have any idea why the manufacturers of health-producing products are being hounded and forced into submissive silence or closure by legislative bodies such as the TGA? Why is it that the TGA and the AMA go out of their way to persecute anyone who dares to produce something beneficial for humans or who dares to question their dogma, based on the premise of greed and control? What the TGA is doing now is no different from what the Catholic Church did in the Middle Ages by suppressing the truth and selling indulgences.

... more Letters to the Editor

NB: Please keep letters to approx. 150 to 250 words in length. Ed.

Evidence-based medicine should apply to all forms of medicine, not just the so-called alternative or complementary medicine. Conventional medicine is actually the usurper and not the honest player in this field.

Under new legislation banning endorsements, if I can't say what has helped me regain health, how will I be able to recommend products like the Elanra ioniser to anyone? Will I be prosecuted because I said to someone that "in my opinion" I think that this person's health will take a turn for the better?

Incidentally, I have recommended the Elanra to numerous people. I personally have the ionisers in my house and office. I have to marvel at the recovery speed from illness, including some serious ones, by people who have an Elanra ioniser in their possession.

As an acupuncturist I do not treat Western disease; by law I can't, and therefore I have to rely on the diagnoses of a GP to outline the patient's health problems.

I just hope that there is a groundswell that calls the perpetrators of disease into question and puts them where they can do no more damage to the people of Australia and the truth.

Duncan, if the powers that be shut you down because no one will be able to advertise their health products, it will be a sad day for freedom. Keep on while you can, and thanks once again for NEXUS.

Yours sincerely,
Graham S.

Fascist UK Privacy Intrusions

Dear Duncan: It is with a sense of disbelief and yet, paradoxically, inevitability that one looks at events unfolding in the United Kingdom.

My wife and I lived in Britain for 50 years before leaving to find pastures new—almost forced out by the intrusions into our privacy and 3,000-plus new laws implemented by Blair's

government since 1997. The UK has not just "changed": it is unrecognisable as the place where we grew up. This is not progress but stupidity, with the nation in general seeming to be living in denial, having lost all sense of responsibility.

The idea that millions of people will readily report to "data centres" to be fingerprinted and retina-scanned and to surrender all their personal information for an identity card sickens me to my stomach. Compulsory microchipping is but a short step away. What next: shipping off to concentration camps?

The Illuminati, New World Order, Hidden Hand or whatever name you care to give them must be rubbing their hands with glee: it's all too damned easy. How pathetic we have become. How did it come to this?

Sorry to sound so pessimistic, but without a huge turnaround of the collective consciousness, I see no future: "the end of living, the beginning of survival".

Steve N., France

Liability for Vaccine Damage

Dear Editor: I am happy to see that this cover-up by our [US] government and the drug companies is finally coming to light. We as parents are made to feel guilty if we do not get these vaccines [for our children], and we are not given the facts.

And isn't it strange that the government has backed out of the vaccine program. It is no longer a law that we give our children vaccines to get them into school. It is now a parent's decision.

My son suffered what seemed to be the results of a stroke. His shots were late and he had already developed a right-handed preference; he was talking and walking. I went into his room early one morning and he did not respond to me. He was drooling out of the right side of his mouth and did not eat his food.

I immediately took him to the hospital and he was given a CAT scan. He did not know me, and

his speech was gone; so was the right-hand preference, and he could not walk. I was in disbelief because he had been to the doctor just that morning and had a good check-up and his vaccinations. I was told he would need brain surgery. But he was recovering on his own better than if they gave him the surgery, so they decided to forget the surgery.

After spending one month in the hospital I was sent home with my son, a completely different child. It took another month for him to start making any noise and he did not know who I was. He did recover somewhat and he is now left-handed. He has had much difficulty in school.

But some children are not so lucky. I was thinking about how young these children are when we give these shots; they have not developed any skills at the time these shots are given, so how are we as parents to know what is lost, or what to look for in a one- or two-month-old infant? How can you know that your child has suffered these reactions when they are so small? And the real danger is that they may recover without our knowing the reaction has occurred. Why is it so important to give these shots when they are so small? Is it a cover-up?

I went to a lawyer in the first few months of this and was told by the doctor to find another. I had been with this pediatrician for the first six years of my daughter's life and liked him very much. I was heartbroken.

This was 30 years ago; my son is now thirty. Why has it taken so long to get this out? Money. Drug companies cannot afford to have the parents of this country find out what is actually happening. They are killing our children for the love of *money*.

Do your homework and decide for yourself if you really want to put your children at risk and if you want to line the pockets of some drug company executive—*at the cost of your child's future and/or life!*

Debbie, Iowa, USA

Far-Infrared Sauna Success

Dear Editor: I would like to draw your attention to a product that I have outstanding results with in regards to my health.

I have been in the building industry for over 20 years. I first started as a painter with my father when I was 16, painting and renovating old houses.

My wife and I wanted to start a family and I went to get some tests done on my sperm count, only to find that the count was low because of antibodies. Subsequent tests found an unusually high lead concentration in my blood, which can have a dramatic effect on sperm.

Wondering how I obtained so much lead in my body, I found there was lead in the ceiling dust that has accumulated over many years, lead in paint, in exhaust and petrol and so on.

The acceptable lead content is 0.03; my lead content was 36.9, and the doctor told me it would take between 12 and 18 months to take the level down to acceptable, plus the cost of medication of about \$600 every two months. I was shocked at this result and length of time. My wife did research on the net and found an alternative possibly faster and safer than what I was doing: a far-infrared sauna.

After researching extensively, I tried a Sunlight far-infrared sauna every day for three months. I then had another test done and found my lead levels had dropped to 4.4. Subsequent tests have shown my lead level has returned to nearly normal.

I think it's an amazing device: not only do you get 30 minutes of time to yourself, you are also getting rid of all those unwanted toxins that build up in your body through just normal everyday living.

I can't say enough about the benefits of Sunlight saunas: they have saved my health and have dramatically increased the chances of having a family.

Thank you, Sunlight!

Gary O'B., Victoria, Australia

MEDIA FREEDOM DECLINES IN USA

New countries have moved ahead of some Western democracies in the fifth annual Reporters Without Borders Worldwide Press Freedom Index.

"Each year new countries in less-developed parts of the world move up the Index to positions above some European countries or the United States. This is good news and shows once again that, even though very poor, countries can be very observant of freedom of expression. Meanwhile, the steady erosion of press freedom in the United States, France and Japan is extremely alarming," Reporters Without Borders said.

The three worst violators of free expression—North Korea, bottom of the Index at 168th place, Turkmenistan (167th) and Eritrea (166th)—have clamped down further.

Northern European countries once again come top of the Index, with no recorded censorship, threats, intimidation or physical reprisals in Finland, Ireland, Iceland and The Netherlands, which all share first place.

The USA (53rd) has fallen nine places since last year, after being in 17th position in the first year of the Index (2002). Relations between the media and the Bush administration sharply deteriorated after the president used the pretext of "national security" to regard as suspicious any journalist who questioned his "War on



Terrorism". The zeal of Federal courts which refuse to recognise the media's right not to reveal sources, even threatens journalists whose investigations have no connection at all with terrorism.

Apart from Yemen and Saudi Arabia (161st), all the Arabian Peninsula countries considerably improved their rank. Kuwait (73rd) kept its place at the top of the group, just ahead of the United Arab Emirates (77th) and Qatar (80th).

New Zealand was ranked at 19th place, the UK at 27th and Australia at 35th.

(Source: *Reporters Without Borders*, 24 October 2006, http://www.rsf.org/rubrique.php?id_rubrique=639)

SUPPRESSED REPORT SHOWS CANCER LINK TO GM POTATOES

Campaigners against genetically modified crops in the UK are calling for trials of GM potatoes this (northern) spring to be halted after releasing more evidence of links with cancers in laboratory rats.

UK Greenpeace activists said the findings, obtained from Russian trials after an eight-year court battle with the biotech industry, vindicated research by Dr Arpad Pusztai, whose work was criticised by the Royal Society and The Netherlands State Institute for Quality Control.

Graham Thompson, a Greenpeace campaigner, said the evidence "backs up the research

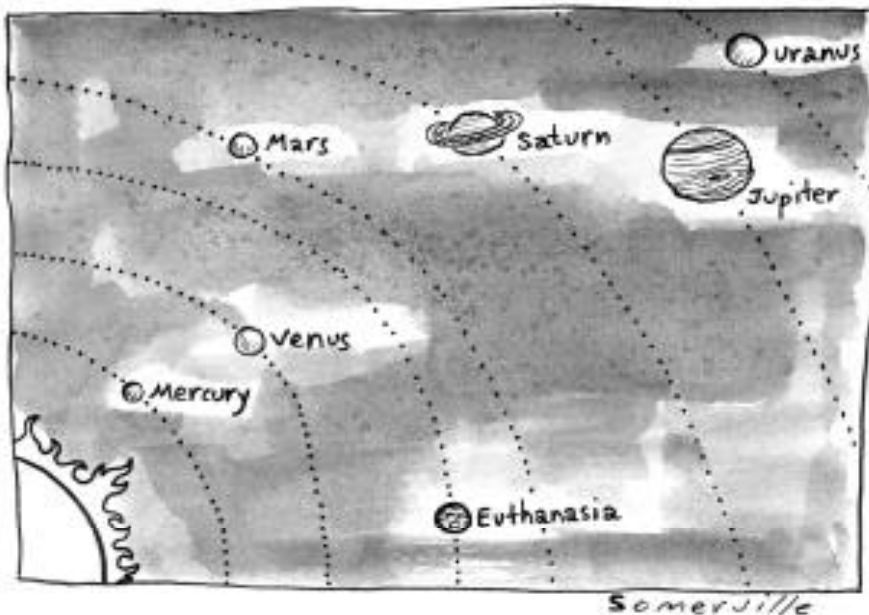
by Pusztai, which was smeared at the time by the industry".

Brian John of GM Free Cymru in Wales, which released the findings on 16 February, said the research was conducted in 1998 by the Institute of Nutrition of the Russian Academy of Medical Sciences and had been suppressed for eight years. It showed that rats fed GM potatoes developed tumours and suffered serious damage in the liver, kidneys and large intestine. The potatoes contained an antibiotic resistance marker gene.

The Russian institute refused to release all the information. However, Greenpeace and other groups mounted a protracted legal campaign to obtain the report. In May 2004, the Nikulinski District Court in Moscow ruled that information relating to the safety of genetically modified food should be open to the public. The institute, however, refused to release the report. Greenpeace and Russian activist groups again took the institute to court, and in September 2005 won a ruling that the report must be released.

Greenpeace consultant Irina Ermakova, who has conducted her own animal feeding trials with GM materials, analysed the findings. She said the GM Russett Burbank potatoes were the "most dangerous" of the feeds used in the trials and "on the basis of this evidence they *cannot* be used in the nourishment of people".

(Sources: *The Independent*, 17 February 2007, <http://tinyurl.com/2dwrff>; *GM Free Cymru*, http://www.gmfreecymru.org.uk/pivotal_papers/feedingrats.htm)



ELECTRIC FIELDS HELP TADPOLE TAILS TO REGENERATE

Tadpoles can regenerate their tails thanks to a technique that alters the electrical properties of their cells, according to a new study.

The build-up of electrical charge at the site of amputation helps guide tissue regeneration, suggest researchers Dr Michael Levin and colleagues at The Forsyth Institute in Boston, Massachusetts, USA. They speculate that doctors might one day be able to regenerate tissue in patients—such as those who have suffered spinal cord injury—by altering the flow of positively charged molecules out of cells.

Scientists have known for some time that applied electrical fields can influence tissue growth. But exactly how the body itself produces similar electrical fields to promote tissue regeneration remained a mystery.

"The influence of electric fields on development has been noted for well over a century; however, the phenomenon has remained unexplored on a mechanistic level and is largely treated as voodoo science by mainstream developmental biologists," says Professor Cliff Tabin of the Harvard Medical School's Department of Genetics. "This study is extremely interesting in starting to bring the topic into the realm of modern biology."

Dr Levin speculates that researchers might one day use gene therapy to help people regenerate lost fingers or heal injured spinal cords. He notes that humans do have some potential to re-grow lost tissue. We have the ability, for example, to regenerate fingertips until around the age of eight.

(Source: *New Scientist*, 28 February 2007, <http://www.NewScientist.com>; *Development e-Press*, 28 February 2007, doi: 10.1242/dev.0281, <http://dev.biologists.org/pap.shtml>)

LONG-TERM DATA STORAGE ON BACTERIAL DNA

Japanese scientists have developed a new technology that uses bacterial DNA as a medium for storing data in the long term, even for thousands of years.

Keio University Institute for Advanced Biosciences and Keio University Shonan Fujisawa Campus announced the development of the technology, which creates artificial DNA that carries up to more than 100 bits of data within the genome sequence, according to the JCN

Newswire of 27 February.

The universities said they successfully encoded "E = mc² 1905!"—Einstein's theory of relativity and the year he enunciated it—onto the common soil bacterium, *Bacillus subtilis*.

While the technology would most likely first be used to track medication, it could also be used to store text and images for many millennia, thwarting the longevity issues associated with today's disc and tape storage systems which only store data for up to 100 years in most cases.

The artificial DNA that carries the data to be preserved makes multiple copies of the DNA and inserts the original as well as identical copies into the bacterial genome sequence. The multiple copies work as back-up files to counteract natural degradation of the preserved data, according to the newswire.

Bacteria have particularly compact DNA, which is passed down from generation to generation. The information stored in that DNA can also be passed on for long-term preservation of large data files, the scientists said.

(Source: *Computerworld*, 27 February 2007, <http://tinyurl.com/3cy9tz>)

HUGE "OCEAN" DISCOVERED INSIDE EARTH'S MANTLE

Scientists scanning the deep interior of Earth have found evidence of a vast water reservoir beneath eastern Asia that is at least the volume of the Arctic Ocean.

The finding, made by Michael Wysession, a seismologist at Washington State University in St Louis, Missouri, and

his former graduate student Jesse Lawrence, now at the University of California, San Diego, will be detailed in a monograph to be published by the American Geophysical Union.

The researchers estimate that up to 0.1 per cent of the rock sinking down into the Earth's mantle in that part of the world is water, which works out to about an Arctic Ocean's worth of water.

Wysession has dubbed the new underground feature the "Beijing anomaly" because seismic wave attenuation was found to be highest beneath the Chinese capital city.

(Source: *LiveScience*, 28 February 2007, <http://tinyurl.com/2dva2e>)

SCIENTISTS PROBE MISSING OCEANIC CRUST

Dr Chris MacLeod, from Cardiff University, says the Earth's crust appears to be missing across an area of several thousand square kilometres. The hole in the crust is midway between the Cape Verde Islands and the Caribbean, on the Mid-Atlantic Ridge.

Dr MacLeod said the hole in the Earth's crust is not unique, but is recognised as one of the most significant. He said it was an "open wound on the surface of the Earth", where the oceanic crust, usually 6–7 km thick, is simply not there.

Dr MacLeod said the research could lead to a "new way of understanding" the process of plate tectonics. He will test theories he developed after visiting the area in 2001—including the possibility that the missing crust was caused by a



"detachment fracture".

The survey voyage, taking place during March and April, is led by marine geophysicist Professor Roger Searle, from Durham University.

The team intends to use sonar to build up an image of the seafloor and then take rock cores using a robotic seabed drill developed by the British Geological Survey in conjunction with Dr MacLeod.

(Source: *BBC News*, 1 March 2007, <http://tinyurl.com/24twf6>)

WAR ON TERRORISM BREEDS MORE TERRORISM?

A study by Peter Bergen and Paul Cruickshank, research fellows at the Center on Law and Security at the NYU School of Law, shows that the Iraq War has generated a stunning sevenfold increase in the yearly rate of fatal jihadist attacks, amounting to literally hundreds of additional terrorist attacks and thousands of civilian lives lost. Even when terrorism in Iraq and Afghanistan is excluded, fatal attacks in the rest of the world have increased by more than one-third.

The study shows that the Iraq conflict has greatly increased the spread of the Al-Qaeda ideological virus, as shown by a rising number of terrorist attacks in the past three years from London to Kabul and from Madrid to the Red Sea.

The study draws its data from the MIPT-RAND Terrorism database (available at www.terrorismknowledgebase.org), which is widely considered to be the best publicly available database on terrorism incidents.

RAND defines a terrorist attack as an

attack on a civilian entity designed to promote fear or alarm and further a particular political agenda. The study only included attacks that caused at least one fatality and were attributed by RAND to a known jihadist group. In some terrorist attacks, especially the case in Iraq, RAND has not been able to attribute a particular attack to a known jihadist group; thus the study likely understates the extent of jihadist terrorism in Iraq and around the globe.

Their study yields one resounding finding: the rate of terrorist attacks around the world by jihadist groups and the rate of fatalities in those attacks increased dramatically after the invasion of Iraq. Globally there was a 607 per cent rise in the average yearly incidence of attacks (28.3 attacks per year before and 199.8 after) and a 237 per cent rise in the average fatality rate. A large part of this rise occurred in Iraq, which accounts for half of the global total of jihadist terrorist attacks in the post-Iraq War period. But even excluding Iraq, the average yearly number of jihadist attacks and resulting fatalities still rose sharply around the world by 265 per cent and 58 per cent respectively.

(Source: *Mother Jones*, March/April 2007, <http://tinyurl.com/yszrdh>)

CAMERAS TO SPY ON AIRCRAFT PASSENGER BEHAVIOUR

Tiny cameras the size of a fingernail linked to specialist computers are to be used to monitor the behaviour of airline passengers as part of the War on Terrorism.

Cameras fitted to seat-backs will record every twitch, blink, facial expression or

suspicious movement before sending the data to onboard software which will check it against individual passenger profiles.

Scientists from Britain and Germany are spending £25 million developing a system which they hope will make it virtually impossible to hijack an airliner, by providing pilots and cabin crew with an early warning of a possible terrorist attack such as 9/11.

They say that rapid eye movements, blinking excessively, licking lips or ways of stroking hair or ears are classic symptoms of somebody trying to conceal something. A separate microphone will hear and record even whispered remarks. Islamic suicide bombers are known to whisper texts from the Koran in the moments before they explode bombs.

The software being developed by the scientists will be so sophisticated that it will be able to take account of nervous flyers or people with a natural twitch, helping to ensure there are no false alarms.

"We're trying to develop technologies that indicate the differences between normal passengers and those who may be a threat to others or themselves," said Catherine Neary of BAE Systems.

(Source: *Mail on Sunday, UK*, 11 Feb 2007)

HIGH-RESOLUTION BRAIN SCAN CAN READ INTENTIONS

A team of neuroscientists from Germany and the UK has developed a powerful technique that allows them to look deep inside a person's brain and read their intentions before they act. The scientists are from the Max Planck Institute for Human Cognitive and Brain Sciences, the University College London and Oxford University.

The research breaks controversial new ground in scientists' ability to probe people's minds and eavesdrop on their thoughts, and it raises serious ethical issues over how brain-reading technology may be used in the future.

The team used high-resolution brain scans to identify patterns of activity before translating them into meaningful thoughts, revealing what a person planned to do in the near future. It is the first time scientists have succeeded in reading intentions in this way. The research builds on a series of recent studies in which brain imaging has been used to identify tell-tale activity linked to lying, violent behaviour and racial prejudice.

The latest work reveals the dramatic pace



at which neuroscience is progressing, prompting the researchers to call for an urgent debate into the ethical issues surrounding future uses for the technology. If brain-reading can be refined, it could quickly be adopted to assist interrogations of criminals and terrorists, and even usher in a "Minority Report" era (as portrayed in the Steven Spielberg science fiction film of that name), where judgements are handed down before the law is broken on the strength of an incriminating brain scan.

The researchers are honing the technique to distinguish between passing thoughts and genuine intentions.

(Source: The Guardian, 9 February 2007)

PRESCRIPTION DRUG DEATHS SKYROCKET IN USA

Poisoning from prescription drugs has risen to become the second-largest cause of unintentional deaths in the United States, according to the Centers for Disease Control and Prevention (CDC).

According to the CDC's *Morbidity and Mortality Weekly Report* (9 February 2007), researchers found that deaths from prescription drugs rose from 4.4 per 100,000 people in 1999 to 7.1 per 100,000 in 2004. This increase represents a jump from 11,000 people to almost 20,000 in the span of five years. Among the 20,000 who died, more than 8,500—double the number from 1999—were from "other and unspecified drugs". Deaths from psychotherapeutic drugs, like antidepressants and sedatives, nearly doubled from 671 to 1,300.

Mike Adams, a consumer health advocate and outspoken critic of pharmaceutical companies, said the drug industry is freely killing Americans.

"The entire drug industry, including the monopolistic drug giants and their FDA [Food and Drug Administration] co-conspirator, has clearly become the single greatest threat to the health and safety of the American people," Adams said.

"And yet the FDA continues to push more drugs onto more Americans than ever before, all the while pretending these drugs are safe and effective when, in reality, they are neither. Today's pharmaceutical industry is a massive fraud being perpetrated against the American people, propped up by illegal trade practices, monopolistic behavior and outright criminal behavior on the part of the FDA."

(Source: NewsTarget, 22 February 2007, <http://www.newstarget.com/z021635.html>)

DID IRAN GAS IRAQ'S KURDS?

US President George W. Bush once said, "If this is not evil, then evil has no meaning", in reference to the former Iraqi leader Saddam Hussein's alleged crime against the Kurds in which he's said to have used chemical weapons to destroy entire Kurdish villages and torture children in front of their parents. Bush's statement was an attempt to persuade the Iraqi nation, Americans and the international community that his decision to invade Iraq was justified on the basis of the 1988 Halabja case.

Halabja is referred to as one event in a large-scale campaign called Al-Anfal, which Human Rights Watch said in an exhaustive study, published in 1994, amounted to an extermination campaign against the Kurds of Iraq, resulting in the deaths of at least 50,000 and perhaps as many as 100,000 people, many of them women and children.

But when the former Iraqi foreign minister Tariq Aziz appeared in court in Baghdad on trial for the Al-Anfal massacres, he testified that Iraqi forces didn't use poison gas against the Kurds, that Iraq did not possess mustard gas, and that it was Iran that did it.

Aziz's remarks echoed a similar statement mentioned in a Stephen C. Pelletiere commentary which appeared in the *New York Times* of 31 January 2003, yet no one seems to have noticed it. Here is part of what he wrote about the claim that the former Iraqi leader gassed 5,000 Kurds at Halabja, a town in the southern part of Iraqi Kurdistan with about 60,000 inhabitants, the village that had the misfortune of being on the frontlines of the Iran-Iraq War:

"...as the Central Intelligence Agency's senior political analyst on Iraq during the Iran-Iraq war, and as a professor at the Army War College from 1988 to 2000, I was privy to much of the classified material that flowed through Washington having to do with the Persian Gulf. In addition, I headed a 1991 Army investigation into how the Iraqis would fight a war against the United States; the classified version of the report went into great detail on the Halabja affair.

"This much about the gassing at Halabja we undoubtedly know: it came about in the course of a battle between Iraqis and Iranians. Iraq used chemical weapons to try to kill Iranians who had seized the town, which is in northern Iraq not far from the Iranian border. The Kurdish civilians who died had the misfortune to be caught up in that exchange. But they were not Iraq's main target.

"And the story gets murkier: immediately after the battle, the United States Defense Intelligence Agency investigated and produced a classified report, which it circulated within the intelligence community on a need-to-know basis. That study asserted that it was Iranian gas that killed the Kurds, not Iraqi gas.

"The agency did find that each side used gas against the other in the battle around Halabja. The condition of the dead Kurds' bodies, however, indicated they had been killed with a blood agent—that is, a cyanide-based gas—which Iran was known to use. The Iraqis, who are thought to have used mustard gas in the battle, are not known to have possessed blood agents at the time.

"These facts have long been in the public domain but, extraordinarily, as often as the Halabja affair is cited, they are rarely mentioned. A much-discussed article in the *New Yorker* last March did not make reference to the Defense Intelligence Agency report or consider that Iranian gas might have killed the Kurds. On the rare occasions the report is brought up, there is usually speculation, with no proof, that it was skewed out of American political favoritism toward Iraq in its war against Iran.

"I am not trying to rehabilitate the character of Saddam Hussein. He has much to answer for in the area of human rights abuses. But accusing him of gassing his own people at Halabja as an act of genocide is not correct, because, as far as the information we have goes, all of the cases where gas was used involved battles. These were tragedies of war.

"The Ba'athist regime did kill thousands of Kurds during fighting to suppress occasional uprisings by what Americans call gangs or terror groups. Iran, Turkey and Syria have also killed thousands of Kurds, and of course the USA has killed thousands of innocent Iraqis to maintain order, albeit unintentionally. A better example of a government leader using chemicals to 'gas his own people' occurred in 1993 near Waco, Texas."

With Saddam's death, the opportunity for a full account of what happened to tens of thousands of Kurds in Halabja and Al-Anfal appears to be lost, along with the opportunity to hold the true criminals responsible for their crimes.

(Source: AlJazeera.com, 3 March 2007, <http://tinyurl.com/26ajqp>)

ELECTROMAGNETIC WEAPONS AND HUMAN RIGHTS

The US military-industrial-intelligence complex has an arsenal of electromagnetic weapons to use on today's battlefields and also against citizens as a means of social control and in contravention of human rights.

**by Peter Phillips, Lew Brown
and Bridget Thornton**

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A STUDY OF THE HISTORY OF US INTELLIGENCE COMMUNITY HUMAN RIGHTS VIOLATIONS AND CONTINUING RESEARCH IN ELECTROMAGNETIC WEAPONS

This research explores the current capabilities of the US military to use electromagnetic (EM) devices to harass, intimidate and kill individuals, and the continuing possibilities of violations of human rights by the testing and deployment of these weapons.

In the 1950s and 1960s, the CIA began work to find means for influencing human cognition, emotion and behaviour. Through the use of the psychological understanding of the human being as a social animal and the ability to manipulate a subject's environment through isolation, drugs and hypnosis, US-funded scientists have long searched for better means of controlling human behaviour. This research has included the use of wireless directed electromagnetic energy under the heading of "information warfare" and "non-lethal weapons". New technological capabilities have been developed in black-budget projects over the last few decades; these include the ability to influence human emotion, disrupt thought and present excruciating pain through the manipulation of magnetic fields. The US military and intelligence agencies have at their disposal frightful new weapons, weapons that have likely already been covertly used and/or tested on humans, both in the United States and abroad, and which could be directed against the public in the event of mass protests or civil disturbance.

Human rights belong to people collectively. To believe in rights for some and not for others is a denial of the humanness of people worldwide. Yet, denial is exactly what US Congress and President George W. Bush did with the signing of the Military Commissions Act of 2006. The new official US policy is that torture and suspension of due process are acceptable for anyone the president deems to be a terrorist or terrorist supporter. This act is the overt denial of the inalienable rights of human beings propagated in the US Declaration of Independence and the Universal Declaration of Human Rights. More so, US actions have declared to the world that the US suspends human rights for those it believes are evil.

The Universal Declaration of Human Rights has been a guide for international law for most of six decades, and as such binds the United States to its general principles. Article 10 states that "everyone is entitled to full equality, to a fair and public hearing by an independent and impartial tribunal, in the determination of his rights and obligations and of any criminal charge against him", and Article 5 specifically prohibits torture or cruel, inhuman or degrading treatment or punishment. Both of these basic human rights have been superseded by the passage of the Military Commissions Act of 2006.

Additionally, the Universal Declaration of Human Rights declares that everyone has the right to freedom of thought, expression and opinion. This means that humans have the inalienable right to be able to think their own thoughts freely and discover their own truths.

Freedom of thought, or cognitive liberty, is the natural human right of each person to be secure in their ability to perceive the world to the best of their ability. To have true cognitive liberty in a world as complex as ours would mean that first we must have access to truthful and unbiased information about the actions of others and the general state of the world. The Center for Cognitive Liberties defines this as "the right of each individual to think independently and autonomously, to use the full spectrum of his or her mind, and to engage in multiple modes of thought".

Without accurate representations, we cannot make independently informed choices. It is imperative that the human body and mind be considered sacrosanct. To invade a person's body without their consent is an egregious human rights crime. We are in a time of extremism, permanent war and the unilateral manifestation of ethnocentrism and power by a cabal of people in the US government. These power elites have been in operation for decades and are set on nothing less than the total US military domination of the world. They defy the foundational values of the American people to achieve their ends. This is not a new phenomenon.

Rise of the Ruling Class

The repression of human rights has been present within the US government throughout our history. A long thread of sociological research documents the existence of a dominant ruling class in the US that sets policy and determines national political priorities. The American ruling class is complex and intercompetitive, maintaining itself through interacting families of high social standing with similar lifestyles, corporate affiliations and memberships in elite social clubs and private schools.

This American ruling class is self-perpetuating, maintaining its influence through policy-making institutions such as the National Manufacturing Association, National Chamber of Commerce, Business Council, Business Roundtable, Conference Board, American Enterprise Institute, Council on Foreign Relations and other business-centred policy groups. C. Wright Mills, in his 1956 book *The Power Elite*, documents how World War II solidified a trinity of power in the US, comprised of corporate, military and government elites in a centralised power structure motivated by class interests and working in unison through "higher circles" of contact and agreement. Mills described how the power elite are those "who decide whatever is decided" of major consequence.

With the advent of the military-industrial complex after World War II, President Eisenhower observed in 1961 that an internal military-industrial power faction was consolidating its long-term plans for the domination of America and, eventually, the world. Eisenhower was in no position to fight these men, and history records his feelings on the subject with the text of his short farewell address:

"...This conjunction of an immense military establishment and a large arms industry is new in the American experience. The total influence—economic, political, even spiritual—is felt in every city, every Statehouse, every office of the Federal government. We recognize the imperative need for this development. Yet we must not fail to comprehend its grave implications. Our toil, resources and livelihood are all involved; so is the very structure of our society.

"In the councils of government, we must guard against the acquisition of unwarranted influence, whether sought or unsought, by the military-industrial complex. The potential for the disastrous rise of misplaced power exists and will persist.

"We must never let the weight of this combination endanger our liberties or democratic processes. We should take nothing for granted. Only an alert and knowledgeable citizenry can compel the proper meshing of the huge industrial and military machinery

of defense with our peaceful methods and goals, so that security and liberty may prosper together.

"Akin to, and largely responsible for, the sweeping changes in our industrial-military posture has been the technological revolution during recent decades. In this revolution, research has become central; it also becomes more formalized, complex, and costly. A steadily increasing share is conducted for, by, or at the direction of, the Federal government..."

We now understand that Eisenhower was referring to the conjunction of redirected tax monies to research secret new technology aimed at nothing less than increasing the controlling power of the military-industrial elite to a global scale.

One particular faction of ambitious men, the former cold warriors and emerging neo-conservatives, were close followers of philosopher Leo Strauss. This elite group, which included not just generals and industrialists but philosophers, scientists, academics and politicians, has now become the most powerful public-private war organisation ever known.

Strauss espoused an elitist philosophy that fawned over those who inherited wealth and lived lives of leisure to pursue whatever their interests may be. His ideas have been transformed into a

These power elites have been in operation for decades and are set on nothing less than the total US military domination of the world.

cogent ideology in which the media, religion and government are used to subdue the masses while the real "nobles" follow their own will without regard to the laws designed to control lesser men. Strauss was likewise fond of secrecy, as a necessity for control, because if the lesser men found out what was being done to them they would no doubt be upset. "The people will not be happy to learn that there is only one natural right: the right of the superior to rule over the inferior, the master over the slave, the husband over the wife, and the wise few over

the vulgar many." In *On Tyranny*, Strauss refers to this natural right as the "tyrannical teaching" of his beloved ancients.

Leo Strauss, Albert Wohlstetter and others at the University of Chicago's Committee on Social Thought receive wide credit for promoting the neo-conservative agenda through their students Paul Wolfowitz, Allan Bloom and Bloom's student Richard Perle.

Canadian cultural review magazine *Adbusters* defines neo-conservatism as: "The belief that Democracy, however flawed, was best defended by an ignorant public pumped on nationalism and religion. Only a militantly nationalist state could deter human aggression...such nationalism requires an external threat and if one cannot be found it must be manufactured."

The neo-conservative philosophy emerged as a reaction to the 1960s era of social revolutions. Numerous officials and associates in the Reagan and George H. W. Bush presidencies were strongly influenced by the neo-conservative philosophy: John Ashcroft, Charles Fairbanks, Richard Cheney, Kenneth Adelman, Elliot Abrams, William Kristol and Douglas Feith.

Within the Ford administration there was a split between Cold War traditionalists seeking to minimise confrontations through diplomacy and *détente*, and neo-conservatives advocating stronger confrontations with the Soviet "Evil Empire". The latter group became more entrenched when George H. W. Bush became CIA director. Bush allowed the formation of "Team B", headed by Richard Pipes along with Paul Wolfowitz, Lewis Libby, Paul Nitze and others, who formed the second Committee on the Present Danger to raise awareness of the Soviet threat and the

continuing US need for a strong and aggressive defence policy. Their efforts led to strong anti-Soviet positioning during the Reagan administration.

Today, the combination of political climate and technological capability presents a condition in which widespread manipulation of not only the flow of information through the media but also the emotional states and cognitive ability in large populations could be achieved. If policy elites are unaccountable to the public for their actions, and if the public has been emotionally manipulated to support them, we can assume that they will certainly abuse their positions in the pursuit of their agendas.

Psychological warfare, information wars and mind control may seem to be exotic topics, but the impact of these technologies and techniques is profound. Our minds are being impacted through a longstanding series of programs aimed at manipulating public opinion through intelligence agencies, think-tanks, corporate media and a host of non-governmental organisations designed to engender fear, division and uncertainty in the public.

Media manipulation involving the artificial framing of our collective reality is often a hit or miss proposition, but psychological operations have been carried out in the past and are being carried out even today through the practices of "information warfare" directed at enemies abroad and at the American people.

According to Mary C. FitzGerald of the Hudson Institute, new-concept weapons, such as laser, electromagnetic, plasma, climatic, genetic and biotechnological, are driving the modernisation of national defence. The potential for these weapons to be used for both good and bad deserves a great deal of attention, but there is little to be found in the media or discussed by the US administration.

The media are complicit in omitting the information necessary to make democratic decisions. A global dominance agenda includes penetration into the boardrooms of the corporate media in the United States.

A research team at Sonoma State University, California, recently finished conducting a network analysis of the boards of directors of the 10 big media organisations in the US and determined that only 118 people comprise the membership on the boards of these media giants.

These 118 individuals in turn sit on the corporate boards of 288 national and international corporations. Four of the top 10 media corporations in the US have Department of Defense (DoD) contractors on their boards of directors, including William Kennard (*New York Times*, Carlyle Group), Douglas Warner III (GE [NBC], Bechtel), John Bryson (Disney [ABC], Boeing), Alwyn Lewis (Disney [ABC], Halliburton), and Douglas McCorkindale (Gannett, Lockheed Martin).

Given an interlocked media network, big media in the US effectively represent corporate America's interests. The media elite, a key component of policy elites in the US, are the watchdogs of acceptable ideological messages, the controllers of news and information content, and the decision-makers regarding media resources.

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Psychological Warfare and Black-Budget Programs

Modern psychological operations (psy-ops) were significantly advanced in the Second World War and were brought to bear on the American public during the 1950s with the formation of a widespread network of social scientists, journalists, politicians, military specialists and intelligence operatives. Psy-ops were used to promote a variety of programs in co-operation with the military-industrial complex. Their key piece of information warfare was the communist "Red Menace".

In the late 1950s, a right-wing cadre of men within the new CIA was busy building secret armies, planning assassinations and generally devising plans for world domination that are still being played out today. Operation *Gladio* is one example, well documented and international in scope, in which right-wing members of the US intelligence community created "stay-behind" armies in many of the nations of Europe. Those armies managed

to infiltrate the highest levels of politics (most notably in Italy, where the term *Gladio* refers to a double-edged sword) and have been held responsible for numerous false-flag terrorist acts through the 1980s and 1990s. Terror and propaganda often go hand in hand in the extremist elements within our military and intelligence communities.

To counter the divisions within the intelligence community, a greater voice was given to organisations, formal and informal. In the 1950s, one such group, the first Committee on the Present Danger (CPD), promulgated a series of "gap crises". The Bomber Gap, the Missile Gap, the Space

Gap, and the Brainwashing and Psychotronic Gap were used to justify increased military technology spending. Congress was led to believe that the Soviets were a much greater threat than they actually were, and that a terrifying new weapon was being developed that threatened America. They were thus convinced to vote for virtually any black-budget proposal that came their way. The CPD ran a series of broadcasts to the public through the Mutual Broadcasting Network that spread fear in the minds of the public.

Under the first civilian CIA director, Allen Welsh Dulles, the Company began to push forward with its agenda of manufacturing consent from the American people for a new state of perpetual war industrialisation. Dulles was a well-connected individual, a successful spy for the OSS in Switzerland during the war, related to three secretaries of state, and the chief adviser to Dewey when he ran for president in 1948. Dulles had access to the highest echelons of policy-making and his influence was global in scope, counting among his close friends Henry Luce, publisher of *Time*. Relying heavily upon established circles of contacts within the nation's media elites, Dulles recruited key members of the media to work directly for the CIA under Operation *Mockingbird*—a psychological information campaign against the American people.

In a campaign that would lead to acceptance of blanket secrecy for "national security", the "Red Scare" became the excuse for spending vast sums of money on weapons systems and an increase in covert operations both in foreign countries and within

the United States. In the 1950s and 1960s, movies, news articles, books, and radio and television programs were carefully laced with anticommunist messages and images designed to produce an acceptance of the policies being promoted by the defence elite's propaganda machine.

All of this activity was more than enough to stoke the fears of the public and encourage policy-makers to accept the Cold War view of the world. This allowed President Truman to convince Congress to approve a tripled military budget that provided funding for secret research and development and turn a blind eye (in the name of national security) to "black operations" programs authorised under the new Cold War rubric of "containment" and aimed at undermining otherwise peaceful nations and fomenting war, torture and assassination in countries as diverse as Iran, Guatemala and Indochina.

Post-war developments in Europe, especially the British withdrawal from Greece, led Truman to decide it was necessary to have a permanent American presence in the old continent to counteract the communist influence. General George C. Marshall, the secretary of state, designed a vast plan that mixed economic assistance and secret actions aimed at establishing democracies and making sure that voters in foreign countries made "the right choice". National Security Council directive NSC 10/2, essentially written by George Kennan, the US ambassador to the USSR, made official the creation of an anti-communist interference network.

At this juncture, Truman, through the application of the 1947 National Security Act and the newly formed National Security Council, authorised a vast number of secret projects involving chemical, biological, nuclear and electromagnetic experiments. Former Nazis were put in charge of many of the most sensitive programs and facilities. The Army Ballistic Missile Agency was entrusted to former SS officer Wernher von Braun. Kurt Debus, another ex-SS officer, directed Cape Canaveral. At this time, scientists began working on "black" projects in earnest, including attempts at finally developing the "lost" theories of Nikola Tesla, the Serbian-born American physicist, into military and intelligence applications.

Tesla developed means of remotely controlling aircraft as early as 1915, foreshadowing the unmanned aerial vehicles (UAVs) of today's battlefields. In 1934, Tesla offered to build a "death ray" that would make the power of an opponent's air force obsolete. This is one of the earliest recorded statements regarding directed-energy weapons. Tesla's offer to build this device for the US government for a bargain price, but with many caveats, was refused by officials who preferred instead to pump money into the new US Army Air Corps, which in turn gave rise to the military-aviation complex that we have today.

Before the war, the airline industry was not a major part of US economic life. With huge wartime contracts, however, corporations such as Hughes, McDonnell Douglas, Lockheed and Northrop quickly grew in power commensurate with the financial bonanza that was unearthed in the battlefields of Europe and the

Pacific. These companies formed the core of the "military-industrial complex". Their investors and managers began to consolidate their clout in political circles to keep the nation on a wartime economic footing. A simple and vastly powerful weapon that would make aircraft, bombs, missiles and attendant industries irrelevant would certainly be seen as a direct threat to the growing power of military arsenal. Instead, a "black budget" program was put into motion which exploited the work of Robert Oppenheimer, Albert Einstein and others. The Manhattan Project, set up by the DoD in 1942, generated a vastly destructive weapon that required a well-established and unbelievably expensive aerospace industry along with unprecedented levels of secrecy and autonomy from Congress and the public.

Non-Lethal Weapons Research

There is a long history that illustrates US intelligence operations had tragic results for many involved. There was, however, no public debate surrounding these black operations because they were classified under the guise of national security. MK-ULTRA, Project *Pandora*, plutonium testing and many more projects conducted by the DoD and the CIA were exposed by committees led by senators Rockefeller and Church in the 1970s. However, tighter restrictions on human experimentation including accountability and transparency did not occur until 1997, when President Clinton instituted revised protocols on human experiments. Official reports insist that the research involving experiments during the 1950s through the 1970s was destroyed. Yet, the scientists involved went without punishment, free to continue their careers.

Given the levels of ongoing EM technology research today, and the recent retro-active approval of torture allowed by the Military Commissions Act, it may be that human testing is occurring under post-9/11 national security protocols. Can we accept that

all the psychological research conducted with government funding up to the 1970s was simply destroyed? At this time, the American public has no way to answer this question. The current administration classifies more information than any previous US administration. Declassified documents have even been recalled and re-classified.

In the 1980s, nuclear radiation experiments on humans became public knowledge and Russian tests making use of the EM spectrum were exposed. Countries around the world passed laws and signed treaties in response to the danger of weapons that could adversely affect human behaviour or manipulate human cognition. The Russians banned all EM weapons in 2001. These treaties have roots in the human radiation experiments of the 1950s, 1960s and 1970s. In effect, these treaties declared a basic tenet of human rights and cognitive liberties.

In the quest for global military superiority, in the late 1990s the US stepped up funding for the concept of the "Future Warrior" with the use of advanced nanotechnology. The idea was to streamline the military, improve soldier performance, control the

In the quest for global military superiority, in the late 1990s the US stepped up funding for the concept of the "Future Warrior" with the use of advanced nanotechnology.

fighting in real time and avoid soldier mortality. The concept was to enhance the ability of soldiers in the field to interface with computer systems by using their own brain waves.

President George H. W. Bush declared the 1990s "The Decade of the Brain". At the same time, funding for computer-to-human interface technology poured into universities, and the Defense Advanced Research Projects Agency (DARPA) stepped up its research and development. In the universities the field became known as "cognitive science", and within DARPA the term "augmented cognition" was born. While developments in brain research are touted for their amazing therapeutic advances in the medical field, they primarily serve the purposes of the US military.

Americans have little idea about the research concerning the capabilities of electromagnetism, directed acoustics or computer-human interfacing. The majority of Americans do not know that we are currently using these new-concept weapons in Iraq and Afghanistan. Indiana University law professor David Fidler stated to the *Economist* (30 January 2003) that "because these weapons are most likely to be used on civilians, it is not clear that using them is legal under the international rules governing armed conflict...if they are used in conjunction with conventional weapons, they could end up making war more deadly, rather than less".

A peek into the US arsenal of weapons is like a look into a science fiction film. DARPA and various military research labs provide a view of the current technology available to enhance US soldiers in the field and manipulate the emotions and behaviours of the perceived enemy. As American sentiment toward the Iraq war spirals downward, along with the approval rating of the US president, domestic civil disobedience is likely to rise, as it has in many countries in response to US foreign policy.

Crowd Control using the Electromagnetic Spectrum

The electromagnetic spectrum has provided the military with an expanse of weapons—which are operational and in military and private use today—in the form of millimetre waves, pulsed energy projectiles and high-powered magnetic weapons.

- Pulsed Energy Projectiles (PEPs) are a form of weaponry that is used to paralyse a victim with pain. The expanding plasma affects nerve cells, but the long-term effects remain a public mystery. A 2001 *Time* magazine article states that PEP technology "...superheats the surface moisture around a target so rapidly that it literally explodes, producing a bright flash of light and a loud bang. The effect is like a stun grenade, but unlike a grenade the PEP travels at nearly the speed of light and can take out a target with pinpoint accuracy...as far away as 2 km".

- Voice-to-Skull Directed Acoustic Devices are neuro-electromagnetic non-lethal weapons that can produce sounds within the skull of a human. A similar technology, known as Hypersonic Sound, is used in a similar fashion. According to its inventor, Elwood Norris of American Technology Corporation (ATC), the hand-held speaker can focus sound waves directly at a person without anyone else hearing the sound. The technology is being tested by corporations such as McDonald's and Wal-Mart to direct advertisements into a consumer's head.

- The Long Range Acoustical Device (LRAD) is used by the military in situations such as crowd control, mass notification and

perimeter enforcement. For instance, an unruly mob may not hear a warning to disperse with traditional acoustic technology, or border enforcement agents may need to warn an approaching intruder to turn away or face bodily harm. The technology has advantages over lethal force, yet it also has the potential to inflict physical harm, emotional manipulation and death.

Neurological Technology

Neurobiology has many facets including therapeutic applications with Alzheimer's, epilepsy, depression and stroke victims using Transcranial Magnetic Stimulation (TMS). The Decade of the Brain also produced outstanding advances for those with spinal cord injuries which allow a paralysed person to control a computer screen or a limb with a brain implant. From universities to private business to the military, advances in neurotechnology can be used for amazing good. However, as we learned from the history of the Cold War, technology that has the capacity to heal also has the capacity to harm.

TMS is being developed for military purposes, using electrical impulses at close proximity to the skull to enhance mood, affect sleep patterns and increase creativity.

Another realm of brain research is the field of neural implants. Until recently, implants were a futuristic fantasy. Current advances in the private and military sectors have produced an implant that can allow a victim of a spinal cord injury to walk again or give an amputee the ability to control her leg with her mind. In the

private sector, Cyberkinetics is leading the way to liberating some people from wheelchairs. This technology is a path to a more functional way of life, but it is also possible that the use of implants could be used for malevolence.

John Donohoe, founder, chief scientific officer and director of Cyberkinetics, addressed the issue of mind control and neural implants when asked by *Discover* magazine (November 2004) if creating a brain-machine interface will open the door to mind control: "We do that all the time already," he said. "Advertising is mind control. Even pharmaceutical agents are a form of mind control. When people have behaviors that deviate far from the norm, they are given medications that bring their mind back into the realm of behavior that we call normal. If a child were to have a seizure and become unconscious because of the seizure, and we controlled his mind so that he did not have seizures, that would be a wonderful thing. We want to do that."

US DoD Military Contractors

Military contractors run wars in concert with power elites. The corporations also have the power to determine which studies reach the public. To be certain, the military, in the interest of budgets, allows negative or alarming studies to remain unreported or lost in a sea of classified documents.

The power of the military and DoD contractors is staggering. In the interest of national security and as a result of lessons learned from an open democracy during the 1970s and 1990s, operations have become more black. In essence, no one can know with certainty what the US military, government and corporations have in store for the world, though we have some clues.

In May 2006, the US Air Force issued US\$24 million in

**Military contractors run wars
in concert with power elites.**

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contracts for "Electro Magnetic Effects Research and Development" to Northrop Grumman, Voss Scientific, Lockheed Martin, Electro Magnetic Applications and SAIC, among others. As early as 1996, the DoD viewed electromagnetic research and development as a key component in future wars.

In addition to DoD contractors, the realm of non-lethal weapons extends into the universities with millions of dollars in scholarships and research fellowships. Pennsylvania State University sponsors the Institute for Non-Lethal Defense Technologies (INLDT), the University of Medicine and Dentistry of New Jersey has the Stress and Motivated Behavior Institute, the University of New Hampshire houses the Non-lethal Technology Innovation Center, and many US military schools have classes directly related to non-lethal weapons technology.

The US Joint Non-Lethal Weapons Directorate released a paper in 2004 on "Crowd Control Modeling and Simulation" which discusses behavioural changes induced in human populations. That the Department of Defense calls for new weapons systems designed to work on the psychological underpinnings of a population should give human rights activists great cause for alarm.

Cognitive Liberties versus National Security

Today the US and the UK are becoming total surveillance societies in the name of national security. London, like cities across the US, is equipped with cameras citywide. Daily human actions are recorded with video and voice recognition devices, while our email and computer usage is monitored. Increased demand for resources, the erosion of middle classes, war, poverty and environmental disasters are historically factors leading to social uprisings and infiltration of political borders. As governments reinforce the threat of terror, people increasingly turn to their governments for protection.

The US has a long history of human rights violations through harassment, telephone tapping, video surveillance, behaviour manipulation, torture, drug-induced states of consciousness and psychological control. Congress's passage of the Military Commissions Act of 2006 put universal human rights outside the scope of US policy. Today, the US government is using the most technologically advanced forms of surveillance and control along with the propaganda of fear and intimidation against its citizens. The US engages in covert torture, covert imprisonment, increased censorship and the massive secret classification of government documents.

The prominent neuroscientist Francis Crick (now deceased) stated in 1994 that "your joys and your sorrows, your memories and your ambitions, your sense of personal identity and free will are in fact no more than the behavior of a vast assembly of nerve cells and their associated molecules". Is it possible that today's scientists in the employ of the US neo-conservative global-dominance policy elites believe the same?

In 2000 John Norseen, a neuroscientist interested in biofusion (the relationship between humans and computers), stated: "If this research pans out, you can begin to manipulate what someone is thinking even before they know it." Norseen said he is agnostic on the moral ramifications of this research and is not a "mad" scientist, just a dedicated one.

"The ethics don't concern me," he said, "but they should concern someone else."

We, the authors of this report, contend that human ethics should concern every person who believes in human rights and desires control over their own mind and body. Our brains control our bodies, actions and thought processes. If the government and the scientists they employ perceive the human mind as simply a collection of neurons, it then becomes possible to justify the surveillance of the human mind and body for national security purposes.

Under the cover of secrecy provided by claims of national security, researchers in service to higher-circle policy elites have implanted electrodes into human subjects to control minds and tortured prisoners and the mentally ill in efforts to find better "brainwashing" techniques. They have poisoned thousands with atomic testing, experimented on young children using drugs, trauma and hypnosis, sprayed major cities with biological agents to prepare for a future attack, overthrown governments, instituted mass killings and engaged in every form of information distortion.

The current "War on Terror" has revealed to the public some of the tools that the military has been developing for decades. High-profile weapons systems flash across the nightly reports of the major news networks, including high-flying stealth bombers on grainy, green-tinted video from the noses of "smart" bombs. On occasion, glimpses are given through the media of what one article dubbed "wonder weapons"—weapons that fall under the military category of "non-lethal weapons".

Power elites who fund and support efforts at supplanting the will of the people do so from on high. Their ability to redirect public attention

toward external threats and away from their own motivations in effect silences opposition to their programs. By controlling the flow of information in society, the power elites provide the public with a limited choice in all matters that pertain to machinations of government and corporate control. Given more advanced technologies for the control of information, unscrupulous individuals who ascribe to a "might makes right" philosophy may well find the ways and means of employing these technologies against those who would oppose their plans.

About the Authors:

Peter Phillips is a professor of sociology at Sonoma State University and director of Project Censored. Lew Brown and Bridget Thornton were principal researchers on this report. Lew Brown holds a degree in psychology and was the main writer and researcher on the historical sections of this paper. Bridget Thornton is a senior-level history major at Sonoma State University and the primary researcher and writer for the new EM technologies portion. The authors give special thanks to Andy Roth, PhD, for his editorial review.

Editor's Note:

Due to our space constraints, we publish this article in abridged form; so we highly recommend you to view the complete report and endnotes, at <http://www.projectcensored.org>. Some sections of this paper are included in the article "The Rise of the Global Dominance Group", by Peter Phillips, Bridget Thornton and Celeste Vogler, published in NEXUS vol. 13, no. 6.

If the government and the scientists they employ perceive the human mind as simply a collection of neurons, it then becomes possible to justify the surveillance of the human mind and body for national security purposes.

THE POMEGRANATE

Fruit of the Tree of Life

Medical research is now supporting the rich history, mythology and symbolism of the pomegranate with discoveries about the fruit's abundant antioxidants and nutrients and their benefits in health and healing.

by Tom Storey © 2007

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A garden of pomegranates

As a boy, my first experience with a pomegranate was with a neighbour's tree. We used to wait in anticipation for the pomegranates to ripen because then they made excellent hand grenades to throw at other boys from the other side of town. And "grenade" is literally right: this is the French name for a pomegranate. They would explode if you got a lucky shot, and hundreds of purple-red seeds would splatter the opponent with a near-indelible dye guaranteed to get the other boy into huge trouble at home.

Apart from this lowly pursuit, there was little use for the pomegranate in Australia in those days, and this ignorance continues pretty much to this day. What we didn't know then was that the rich reddish-purple juice of the pomegranate would later be found to carry much more than its indelible colour. It is now known to carry valuable natural phytochemicals in the form of super-antioxidants—much more, in fact, than in red wine and green tea combined. A look at the history, symbolism and recent medical discoveries relating to this mysterious fruit puts the pomegranate in a totally new light, particularly in terms of health.

Just the other day, as I was browsing in my local second-hand bookstore, I came across a rare book by Dr Israel Regardie called *A Garden of Pomegranates*.¹ Regardie, who died in 1985, is highly regarded as a modern occultist and historian of Western hermetic philosophies, and was responsible last century for a series of books revealing occult lore, particularly as it relates to the Qabalah. The central motif or symbolic structure in this ancient system of philosophical enquiry is the Tree of Life—in Regardie's words, "that most precious jewel of human thought, that geometrical arrangement of Names, Numbers, Symbols and Ideas..."

There are of course many symbolic links to the original Tree of Knowledge as described in so many myths, particularly in the Old Testament. Regardie was making a connection that has been made over and over again through the centuries—a connection between the fruit of the pomegranate tree and the oldest myths and symbols of philosophy and esoteric religion. In this case, he was referring to a book called *Pardes Rimmonim* in the old language, or *An Orchard of Pomegranates*, which was written by Rabbi Moses ben Jacob Cordovero in the 16th century. The good rabbi took this title from a versicle in the *Song of Songs*: "Thy plants are an orchard of pomegranates".

Regardie is considered by some as one of the greatest interpreters of the Qabalah, and he wrote that "...a veritable garden of the soul may be builded; ...wherein may be discovered by each one of us all manner and kind of exotic fruit and gracious flower of exquisite colour. The pomegranate, I may add, has always been for mystics everywhere a favourable subject for recondite symbolism."

Much of this symbolism, as we'll see below, refers to the deep respect given to this plant by many cultures at many times, including our own as more studies reveal the health-giving effects provided by this fruit that seems to be full of seed, full of life and full of potential.

A brief history of the pomegranate

Moving way back in time, we find the pomegranate celebrated in Egyptian papyri, cited in the Old Testament as *rimmon*, and appearing in Greek mythology, in Roman history and in the Koran. Well before the Christian era, pomegranates were introduced into China from Samarkhand. The pomegranate has appeared throughout history in some of

the greatest documents, art and architecture, from Homer and Chaucer to Shakespeare and Raphael and to Cézanne in more modern times.

It is generally agreed that the pomegranate originated in Persia, then found its way slowly to India, northern Africa, Europe, China and the Americas. It is one of the first of the cultivated fruits: by 3000 BC at least, and perhaps much earlier, there were gardens of grapes, olives, figs, dates, almonds and pomegranates in the valleys of the Tigris–Euphrates, the Nile and the Indus rivers.

The pomegranate's Tree of Life symbolism

The fruit is mentioned in various cultures and religions. The pomegranate tree is said to have flourished in the Garden of Eden and is very likely the "apple" of the Adam and Eve story in Genesis, produced from the mysterious Tree of Life.

It has always been a symbol of many virtues, including love and fertility in particular as well as health and abundance. The plentiful number of seeds (optimistically said to be up to 800 per fruit) suggested all these virtues and a spiritual dimension as well. The juice has been compared to blood, the fruit's shape has been likened to female breasts, and the obvious "crown" has suggested royal connections.

In that wonder of the world, the Hanging Gardens of Babylon, where strife-stricken Iraq now limps along, pomegranates featured strongly amongst the treasures of Nebuchadnezzar II. In this region formerly known as Mesopotamia, the pomegranate is still prized both as a medication and as a symbol of beauty, longevity, fertility and wisdom.

Greek and Persian mythologies mention the fruit as representing life, regeneration and marriage. Because of its role in the Greek legend of Persephone, the pomegranate came to symbolise fertility, death and eternity and was an emblem of the Eleusinian mysteries. The ancient Chinese believed the seeds symbolised longevity and immortality.

In the Hebrew tradition, pomegranates appear in many cultural and religious contexts. The pomegranate was used as a decorative symbol in the Temple of Solomon, in the regalia of kings and queens, and on the robes of priests. In fact, a thimble-sized ivory pomegranate bearing an ancient Hebrew inscription is the only relic ever recovered from Solomon's Temple.

According to JewishJournal.com, "The Talmud says that if a sage dreams of a pomegranate, it is an omen of wisdom; if an ignoramus dreams of one, it is an omen of good deeds. Jewish sages taught that the pomegranate is significant because, unlike other fruits, the red pulp, which is of primary interest to the human consumer but of little interest to the tree because it is only there to protect the seed, and the seed, which the consumer tends to throw away, are one and the same. The primary and the secondary, the future and the present part of the fruit are united. This, the sages tell us, represents a high level of blessing, a sign of totality and perfection, a perfect symbol of the New Year."²

The pomegranate fruit is a symbol of resurrection and life in Christianity, and in Christian art it symbolises hope. It is also one of the three "blessed fruits" of Buddhism.

So what is this unusual fruit?

The botanical name for the pomegranate is *Punica granatum*—*Punica* being the name of the former Phoenician city in northern Africa where Roman soldiers on their way to the first of the three Punic wars in the 3rd century BC first encountered the pomegranate tree; and *granatum* meaning "grained". Pomegranate is so named because it resembles an apple and has so many seeds. According to Hebrew legend, there are exactly 613 seeds per fruit, one for each of the Jewish commandments, but in the real world you will generally find at least 200 seeds and up to 800 in a very large fruit. Botanically, *Punica granatum* shares its family name only with its rare genetic forebear, *Punica protopunica*, whose habitat is restricted to the island of Socotra in Yemen.

The pomegranate tree or shrub grows 3–5 metres high and is distinguished by its fresh-green oval- or lance-shaped leaves, which fall in the winter. The fruit, which is ripe in about September in the northern hemisphere (and March in the southern hemisphere, if you can find any!), is apple-shaped, yellow-brown with a blush of red, and is surmounted by a hard crown-like calyx. On breaking the tough rind, you can see the white or pinkish or scarlet translucent fruits tightly packed together inside. The juicy seeds are sometimes sweet and sometimes somewhat acidic, depending on the variety, and may need sweetening before eating. The juice expressed from the seeds is made into a syrup for flavouring drinks, and in ancient days was made into wine.

Pomegranate fruit contains three main parts, and each part has its own metaphysical, botanical and chemical character. These parts are the seed or the "aril", the juice and the peel. What's more, the tree's bark, roots, leaves and flowers all contain specific and unique elements, and each one has interesting and complex effects when prepared as medicines for human or animal consumption.

Qualities of the tree and fruit

Pomegranates travelled well in Arabian caravans, which brought jewels and spices from the East and aromatic materials from Africa. As a sealed, self-wrapped fruit with a tannin-impregnated tough outer skin, they were well protected from the rigours of harsh travel and remained fresh for a surprisingly long time. Full of mineral- and vitamin-rich juice, they were great fare on arduous voyages, and thus moved easily around the ancient world, growing along and around the trade routes and beyond.

The pomegranate tree is very adaptable to different soils and tolerates very harsh conditions of heat, moisture-loss and neglect. Little wonder, then, that the ancient world was littered with pomegranate groves, and eventually wild trees were scattered far

Chemical Composition of Pomegranate Juice

Food Value per 100 g of Edible Portion*

Calories	63–78
Moisture	72.6–86.4 g
Protein	0.05–1.6 g
Fat	Trace only to 0.9 g
Carbohydrates	15.4–19.6 g
Fibre	3.4–5.0 g
Ash	0.36–0.73 g
Calcium	3–12 mg
Phosphorus	8–37 mg
Iron	0.3–1.2 mg
Sodium	3 mg
Potassium	259 mg
Carotene	None to trace
Thiamine	0.003 mg
Riboflavin	0.012–0.03 mg
Niacin	0.180–0.3 mg
Ascorbic acid	4–4.2 mg
Citric acid	0.46–3.6 mg
Boric acid	0.005 mg

* Analyses of fresh juice sacs made by various investigators (<http://www.hort.purdue.edu/newcrop/morton/pomegranate.html>).

and wide, with many of the old ones living to this day.

In a village on Menorca in the Mediterranean Balearic Islands, there was a single ancient pomegranate tree which just managed to provide one fruit or maybe two fruits per year in its old age. It must have arrived with the Phoenicians, relentless travellers and traders, who created overland and sea trade routes and controlled a large part of Mediterranean business in ancient times. It has been suggested the pomegranate tree can grow to anything from 200 years upwards in age, but records are hazy as to the exact age of this particularly ancient Menorcan tree.

Life force of the pomegranate

The question arises: "Why is the pomegranate so celebrated in myth, religion and history in so many cultures?" With references reaching back to the dawn of time and human existence in our very creation myths, and with so much scientific and medical interest being shown in the current era, it seems almost that this fruit is special beyond others, that it has been singled out as a gift to the human race.

Other questions arise. The pomegranate tree lives a very long time and, like the fruit, suffers almost no disease or damage by pests. Is this tree actually promoting its own health? Are its powerful antioxidants actually keeping the tree healthy, too? Why has the pomegranate, as opposed to other fruit, been selected by many cultures and religions to represent fertility, good health and good luck?

The writer of this article has developed skills in kinesiology and dowsing over many years of practice in natural therapies, and a test of some high-quality, wild-crafted, chemical-free Georgian pomegranate juice has shown a particularly powerful strength in the "life force" of the juice. This is only anecdotal, of course, but those who work with energies know how reliable these tests can be in revealing the "energetic" side of any substance.

In the end, we are always dealing with the human system as a "bio-field", or field of information or energy, which at the most fundamental level operates on energies of all qualities.^{3,4} In the final analysis, all the medications and foods we consume are consumed because we wish to incorporate the energetics of those substances into our energy fields. And it is the quality of the energetics of any substance that we consume that is of the highest importance.

I suggest that the pomegranate has always been recognised as a fruit which holds a particularly potent energetic charge. It is in the look of the fruit, the taste of the juice, the colour of the arils. Anyone who pays attention to what their senses (including more subtle senses) are telling them will soon know whether a substance will enhance their energy system or not. Naturally occurring pomegranates and their juice register high on the list of those substances which *do* enhance our energy system.

Renewed interest in the pomegranate in the USA

The venerable pomegranate is becoming decidedly trendy in recent times. In the USA in the last 18 months, over 475 new pomegranate food and beverage products were introduced according to the director of Datamonitor's Productscan Online. That is virtually an explosion of interest.

The book *Pomegranates: Ancient Roots to Modern Medicine*,⁵ recently published to showcase the research of N. Seeram and colleagues at the UCLA Center for Human Nutrition, makes the case for the renewed interest in the fruit. A study released by this group shows that drinking a glass of the juice daily can help to slow the effects of prostate cancer, allowing diagnosed men to live longer. They also suggest that menopausal and post-menopausal symptoms, including hot flushes, may be reduced by the phyto-oestrogen found in the pomegranate seed. Apparently, the pomegranate is one of only a few plants known to contain oestrogen-type compounds.

The same group also makes the important point that it is more healthful to drink a properly processed juice than to eat the fruit, due to the fact that 70 per cent of the antioxidants found in the juice are derived from the peel when the whole fruit is squeezed.

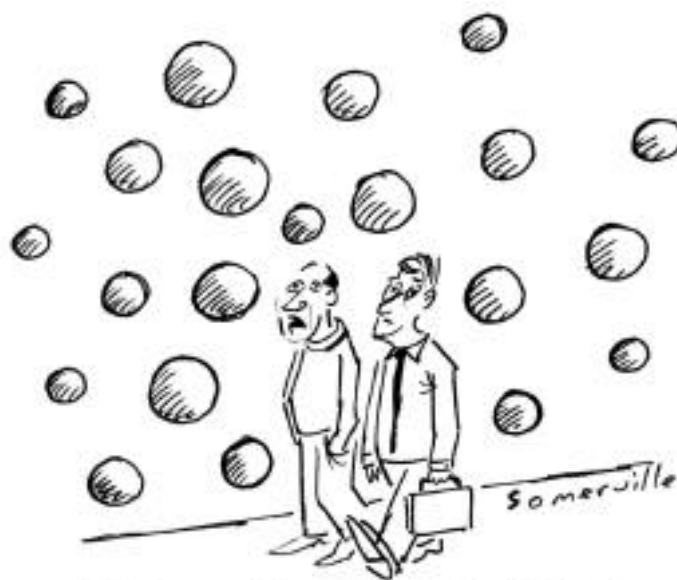
Even more interesting to some, perhaps, is the study which implies that the pomegranate functions as a "natural Viagra". The study measured the erectile function of rabbits, showing that a regular intake of pomegranate juice raises nitric oxide levels and

blood supply in a way similar to what is seen in those who take Viagra. Now, proof positive of this property would certainly add weight to the notion that the pomegranate is the Tree of Life!

But the interest goes much further. Today in the USA, you can find a chewing gum called Pomegranate Power and a pomegranate chicken sausage made by Jody Maroni's Sausage Kingdom in Los Angeles. At the 2006 Oscar award presentations, celebrities could be seen sipping martinis made from pomegranate juice (amongst other less healthful ingredients). Pomegranate is being used as an antioxidant additive in a brand of beauty products called Archipelago. The co-president of the company claims it is the most successful product they have ever released.

In the past three years, California has become the largest producer of pomegranates in the USA, thanks to the efforts of a Beverly Hills-based couple, Stewart and Lynda Resnick, who

... it seems almost that this fruit is special beyond others, that it has been singled out as a gift to the human race.



"Airborne particle pollution is bad today."

have created Pom Wonderful, a business devoted to the cultivation and promotion of pomegranates (the Wonderful variety exclusively). It is now the largest pomegranate growing and distribution company in America.⁶

Phytochemical content

Phytochemicals are simply chemicals which are derived from plants. In the last decade, a lot of interest has developed in these plants due to research uncovering the protective and healing effects of antioxidants, amongst other phytochemicals. It is interesting to note that plants, just like animals and humans, have developed methods to protect their own health from all the depredations of the environment. Because plants are not mobile, these defences come in the form of powerful chemicals, which also give the plants their colour, flavour, smell and texture. It is these very defences which give rise to the powerful chemicals that have proven useful to humanity and which promise much more than has yet been discovered.

A powerful plant such as the pomegranate literally offers for consumption a fruit which is a balanced and complex combination of many health-supporting compounds. It is also that very combination of compounds that may hold the secret to these effects, rather than extracts made of specific compounds which are isolated, such as ellagic acid⁷—although this extract is actually showing promising results in clinical trials.

Approximately 75 per cent of the world's medicines come from plants; thus there is a huge spectrum of chemicals and influences available to us from the plant kingdom. Among the beneficial phytochemicals there are many classifications. One subclass is known as the phenolics, which includes flavonoids, flavonals, catechins, isoflavones and phenolic acids. Each of the 5,000 phytochemicals in the flavonoid subclass alone is an antioxidant which helps strengthen the human immune system, heals the cardiovascular system and slows ageing.

In the former Soviet republic of Georgia, phytomedicines have developed a very respected reputation in recent decades due to the fact that they come from foraged "wild-crafted" sources, i.e., plants growing wild. These plants were once part of orchard systems which spread through the countryside. As a result, a lot of research has been concentrated on these medicinal plants, and in particular on the pomegranate. A small industry is being developed, with an eye on keeping the quality of harvesting and processing high. Much of the information presented below has been stimulated in part by the growth in interest in Georgian wild-crafted phytochemicals.

For more information on this as well as additional studies mentioned below, see W. Shafer Fox's *100 & Healthy – Living Longer with Phytomedicines from the Republic of Georgia*.⁸

Chemical composition

Most of the chemical analyses of pomegranates have focused on the juice, peel/pericarp and seed oil. The juice/fruit contains high amounts of hydrolysable tannins, in particular ellagitannins

(gallic acid and ellagic acid), anthocyanins (cyanidin, delphinidin, pelargonidin) as well as phenolic acids (ellagic acid, caffeic acid and chlorogenic acid). The pericarp is also high in hydrolysable tannins. (Note: The pericarp is the skin surrounding the seed, really the "aril". The seed is only the hard, white internal seed; the red juicy edible sacs, including the seed, are called arils.) Pressing the whole fruit results in juice that is much higher in the pericarp polyphenols.

Luteolin, quercetin, kaempferol and narigenin are also found in the peels. The seed oil consists of about 63.5 per cent punicic acid—a rare, 18-carbon *trans*-fatty acid (structurally related to conjugated linolenic acid). According to one source, the seed also contains the highest concentration of oestrone in the plant kingdom—approximately 17 mg/kg of dried seed.

Interest has been growing regarding the potential of pomegranate oil as a potent phyto-oestrogen and for its potential cancer-preventive properties especially with regard to breast cancer.

Medicinal history and research

Pomegranate juice has been used throughout history for a multitude of ills. Ancient Greek physicians used it as an anti-inflammatory, an anti-helminthic (for intestinal worms) and a cough suppressant. It was also used to treat chronic diarrhoea and dysentery. In Georgia, uses have included the treatment of mucus discharges, haemorrhages, night sweats and diarrhoea. It has been used to strengthen capillaries and help prevent atherosclerosis, asthma, tonsillitis and bronchitis. Pomegranate extract mixed with aloe vera extract has been used to activate bone regeneration. Work has also been done recently on its use as a successful treatment for burns.

• Ellagic acid versus cancer

What is most exciting in modern times is the discovery of extremely high quantities of the anticancer phenolic ellagic acid in pomegranates. The pomegranate is one of the world's greatest known sources of ellagic acid, a powerful antioxidant and anticancer phytochemical that has been described in more than 500 studies published in the last 40 years.

Dr Gary Stoner of Ohio State University has directed much research demonstrating ellagic acid's medicinal properties in relation to cancer. Many researchers are now on record with positive research relating to ellagic acid and cancer, in both rodents and human trials. A lot of work has been done on cervical and breast cancer. Dr Wendy Smith and her team at the University of Kentucky have shown that ellagic acid helps prevent the earliest chemical reactions that can lead to breast cancer. Dr Kim of South Korea's Pusan National University led a team of scientists from the US, Canada, UK and Israel that made powerful findings regarding the action of pomegranate phytochemicals on reduction of breast cancer proliferation and formation of cancerous lesions. There are many studies available and ongoing in the treatment of cancer, including breast, prostate and lung cancer, and the potential of this use of pomegranates is building quickly. Much of this research is in Shafer Fox's book.

What is most exciting in modern times is the discovery of extremely high quantities of the anticancer phenolic ellagic acid in pomegranates.

• Antioxidant properties

The antioxidant properties of the pomegranate are also effective against other health conditions including atherosclerosis, arterial and heart inflammation and high blood pressure. These properties are also useful for protection of the liver and kidneys from free radical damage, for fighting bacteria and for promoting the activity of other antioxidants.

For the past several years, Israeli researchers, led by Dr Michael Aviram (Lipid Research Laboratory, Rappaport Family Institute for Research in the Medical Sciences, Rambam Medical Center, Haifa), have been focusing on the antioxidant properties as well as the potential cardiovascular benefits of pomegranate juice.⁹ In one study, pomegranate juice was found to reduce atherosclerotic lesion size in apolipoprotein E-deficient mice. An *ex vivo* study with healthy male volunteers found that consumption of 50 mL of concentrated pomegranate juice per day (equal to 8 oz/day of 100% juice) reduced LDL susceptibility to oxidation and increased activity of serum paraoxonase (PON1). Finally, a clinical trial found that consumption of 50 mL of concentrated pomegranate juice per day (equal to 8 oz/day of 100% juice) for two weeks resulted in a 36 per cent decrease in serum angiotensin-converting enzyme (ACE) activity and a five per cent reduction in systolic blood pressure in 10 patients (aged 62 to 77 years) with hypertension. The reviewed study with pomegranate juice is a continuation of their work and hopefully the beginning of new, exciting findings into the cardiovascular health benefits.

• Pomegranates versus arterial plaque and atherosclerosis

A pilot research study involved 19 elderly individuals who had atherosclerosis, or hardening of the arteries, where plaque was already built up to a dangerous level. Ten of the patients drinking just 8 oz of pomegranate juice a day for one year had up to a 30 per cent decrease in the thickness of the lining of their carotid artery, while the control group made up of nine patients who didn't drink the juice actually had an increase of nine per cent. In addition, those who drank the pomegranate juice also had a 21 per cent decrease in their systolic blood pressure.¹⁰

As reported in the August 2006 issue of *Atherosclerosis*: "Pomegranate juice can reduce the risk for atherosclerosis, and thus the risk of death for diabetics, since the condition leads to arterial wall thickening and hardening, and accounts for 80 per cent of deaths for diabetic patients. It also reduces the uptake of bad cholesterol, according to studies at Technion-Israel Institute of Technology..."¹¹

• Benefits for prostate cancer

According to a study of older men published in the 1 July 2006 issue of *Clinical Cancer Research*, pomegranate juice packs a punch on prostate cancer that prolongs post-surgery PSA doubling time, drives down cancer cell proliferation and causes prostate cancer cells to die.¹²

Pomegranate extract may prevent prostate cancer or slow its growth, according to results of lab experiments conducted at the University of Wisconsin in Madison. When human prostate cancer cells were injected into mice, feeding the animals pomegranate extract delayed the appearance of tumours. Tumour

growth was significantly inhibited and survival was prolonged. In men with recurrent prostate cancer, drinking 8 oz/day of pomegranate juice significantly increases the time it takes for an increase in levels of prostate specific antigen (PSA), an indicator of prostate cancer.¹³

• Nitric oxide support

Pomegranate juice was tested for its capacity to protect nitric oxide (NO) against oxidative destruction. Pomegranate juice was found to be a potent inhibitor of superoxide anion-mediated disappearance of NO. It was much more potent than Concord grape juice, blueberry juice, red wine, ascorbic acid and dl-alpha-tocopherol. These observations indicate that pomegranate juice possesses potent antioxidant activity that results in marked protection of nitric oxide against oxidative destruction, thereby resulting in augmentation of the biological actions of NO.¹⁴

• More pomegranate research

In addition to the aforementioned positive studies, details on the following research results can be seen on Dr Ray Sahelian's web page, <http://www.raysahelian.com/pomegranate.html>:

- Pomegranate fruit extracts can block enzymes that contribute to osteoarthritis, slowing the deterioration of cartilage.
- Drinking pomegranate juice during pregnancy may help reduce the risk of brain injuries in babies.
- Pomegranate fruit extract can block skin tumour formation, at least in mice exposed to a cancer-causing agent. Moreover, mice treated with pomegranate developed fewer skin tumours than untreated mice.

- Concentrated pomegranate juice

improves lipid profiles in diabetic patients with hyperlipidaemia and may modify heart disease risk factors.

- Pomegranate juice consumption for three years by patients with carotid artery stenosis reduces common carotid intima-media thickness, blood pressure and LDL oxidation.

- Pomegranate juice may produce positive effects against Alzheimer's disease.

There have been numerous research studies that provide evidence for the positive influence of pomegranate derivatives on high blood pressure, arterial and heart inflammation, kidney and liver protection, and in fighting bacterial diseases.

What to look for in pomegranate products

Most important in choosing pomegranate products, as with any plant extract, is the question of whether any toxic chemicals such as herbicides, pesticides and chemical solvents were used in the cultivation or extraction of the product. The residues of these compounds often remain in the plant material, producing powerful free radicals. As an example of a reliable source, Georgian pomegranates are usually grown wild and harvested from land without such contamination. I understand the Californian Pom Wonderful company is also well respected in terms of its methods of cultivation and extraction. The majority of plant-based nutritional substances are extracted using toxic organic solvents, the residue of which remains on the plant material contained in the product—so, buyer beware!

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The antioxidant properties of the pomegranate are also effective against atherosclerosis, arterial and heart inflammation and high blood pressure.

SEXUAL ENERGY IN HEALTH AND SPIRITUALITY

If we can understand the neurochemistry and bio-energetics of sex and sexuality and apply this knowledge in our lives, we can have relationships that are healthier, more loving, and more spiritualised.

Part 1 of 2

by Walter Last © 2007

Website:
<http://www.health-science-spirit.com>

THE NEUROCHEMISTRY OF SEX

Sex—or, rather, sexual energy—is a potent force in regard to our health, intimate relationships and spirituality, but the extent of this is rarely realised. Fortunately, we can now discern much of the prevailing dynamics due to recent advances in understanding the neurochemistry of the brain. The observed effects can partly be explained with biochemistry and partly with bio-energetics.

Orgasm is generally regarded as the ultimate goal of recreational sex. Wilhelm Reich was the first scientist to describe the nature and purpose of the orgasm as a discharge of excess bio-energy with the additional liberation of feeling energy, and he also recognised the negative consequences of blocked sexual energies.

In addition to exciting peaks, orgasms unfortunately tend to produce powerful negative side-effects that are only now becoming better understood. These are due to predictable trends in hormonal activity which seem to be similar in all mammals to ensure certain evolutionary objectives, especially the wide mixing of gene pools and the safe raising of offspring. These objectives are achieved with the following neurochemical changes.

The main players are dopamine, the reward hormone (see table 1), prolactin, the hormone of satiation (see table 2), oxytocin, the cuddle hormone (see table 3), and levels of androgen receptors—all of which powerfully affect our mood, our desire for intimacy, our perception of our mate as well as our susceptibility to addictive activities and substances. These hormones can also have different but generally related functions.

Additionally, the stimulant phenylethylamine (PEA) is involved, which is also present in cocoa and chocolate and elevates energy, mood and attention. PEA is produced in greater amounts when one is in love. Conversely, a deficiency (common in manic-depressives) causes unhappy feelings.

When we fall in love, we become bonded by rising PEA, oxytocin and dopamine levels. When we are sexually aroused by close contact, our dopamine level rises further and at the time of orgasm we have a dopamine brainstorm. Groningen University professor Gert Holstege and colleagues have likened this to the effect of heroin on the brain.¹ Dopamine is active in all addictions, even in people who have forgotten what sex is. Most of this activity is in the limbic system, the oldest part of the brain.

After orgasm, the dopamine level falls sharply, with the usual withdrawal symptoms. This reaction tends to be immediate in males and delayed in females. Also, the prolactin level rises and the androgen receptor level falls after orgasm. The oxytocin level falls after conventional orgasm, but if the couple maintains close contact this may help to counter this drop and sustain the level of oxytocin.

Behavioural changes from this disturbed hormone equilibrium have been noticed for up to two weeks. During this time, we may be more irritable, dissatisfied, anxious or depressed, and instead of seeing the good side of our mate we now may be painfully aware of his or her shortcomings. This is exactly the same process and length of time that prolactin needs to recover to its normal level during withdrawal from cocaine.

Initially, during the honeymoon period of our relationship, we remain strongly bonded by high oxytocin levels and quickly overcome our hormonal blues by having more sex. Initially, sex stimulates us to crave for more sex. This leads to a rapid rise and fall in the dopamine level and to corresponding rapid emotional fluctuations in our relationship. Later we may become less and less interested in sex with our partner (perhaps because we subconsciously begin to associate him or her with the "lows" of the cycle, or perhaps because we grow tired of being used as a fix, and therefore feel less attraction), and now

Table 1: Dopamine Levels

Excess	Deficient	"Normal"
Addictions	Addictions	Motivated
Anxiety	Depression	Feelings of well-being, satisfaction
Compulsions	Anhedonia (no pleasure; world looks colourless)	Pleasure; reward in accomplishing tasks
Sexual fetishes	Lack of ambition and drive	Healthy libido
Sexual addiction	Inability to "love"	Good feelings towards others
Unhealthy risk-taking	Low libido	Healthy bonding
Gambling	Erectile dysfunction	Healthy risk-taking
Compulsive activities	No remorse about personal behaviour	Sound choices
Aggression	ADD/ADHD	Realistic expectations
Psychosis	Social anxiety disorder	Maternal/paternal love
Schizophrenia	Sleep disturbances, "restless" legs	

(Source: http://www.reuniting.info/science/sex_and_addiction)

we may try to prop up our dopamine level by becoming addicted to some kind of food or drug, or by becoming interested in a new sexual partner.

Basically, this type of behaviour is the same for humans, primates, mammals and reptiles because it originates from the primitive part of the brain.

Further evidence of a lasting post-orgasm hangover comes from sexually exhausted male rats.² The number of androgen receptors in the hypothalamus declines, reducing the effectiveness of testosterone and changing sexual behaviour. These changes last for about seven days, corresponding to a lack of libido in the rats.

In addition to serving as a sexual brake, prolactin affects our moods and behaviour somewhat like a hormone of resignation. For example, caged wild monkeys initially had high levels of the stress hormone cortisol but gradually their prolactin levels rose as they became resigned to their fate. Prolactin levels were highest after seven months. With raised prolactin levels, they do not mate.³ This looks like the same effect that we see in long-term relationships without oxytocin-producing close bonding.

The Coolidge Effect

In experiments with rats it has been observed that, after vigorous copulation with a new partner, male rats soon completely ignore this partner, but when a new female is introduced they are immediately revitalised—at least sufficiently to become sexually active once more. This can be repeated again and again until the male rat is completely exhausted.⁴

This phenomenon has been called "the Coolidge effect", after US President Calvin Coolidge (http://www.reuniting.info/science/coolidge_effect). The story goes that on a visit to a farm, his wife was shown a rooster that could copulate with his hens all day long, day after day. She liked that idea and asked the farmer to let the president know about it. After hearing it, President Coolidge thought for a moment and asked, "Does he do that with

the same hen?" "No, sir," answered the farmer. "Please tell that to Mrs Coolidge," said the president.

Not only has the Coolidge effect been observed in all tested male animals, but also in females. Female rodents, for instance, flirt more and present themselves more attractively when observed by new males than in the presence of males with whom they had already had sex.⁵ Another experiment indicates that the cause of this effect may be a rush of dopamine. When rats were taught to pull a lever to stimulate their own reward centre, they would forgo eating and copulating and just continue to stimulate themselves until they were totally exhausted.⁶

The Cuddle Hormone

The dopamine system is obviously designed to produce genetic variety by inducing us to mate with as many different partners as possible. There is, however, a hormone that counteracts the emotional rollercoaster effects of dopamine, and that is oxytocin—the cuddle hormone. Oxytocin also counteracts fear, which is associated with high cortisol levels and stress (table 3).

Oxytocin leads to strong pair-bonding. In pair-bonded animals, mating—and with this, the dopamine rollercoaster—stops with the rise of prolactin after successful fertilisation, and now oxytocin ensures that both parents co-operate for the survival of their offspring. Humans could do the same: mate only to produce offspring and then abstain from sex. This might produce an emotionally stable relationship for life, but most of us would also find it utterly boring. Paramahansa Yogananda wrote in *Autobiography of a Yogi* that this is exactly what his parents did.

The time-honoured solution to this problem is having loving sex without orgasm. This greatly helps to sustain oxytocin levels without producing the emotionally disruptive high–low neurochemical cycles of orgasm, and it has been practised in Indian Tantra, by the Chinese Taoists and apparently by early Christians. In modern times it has been resurrected as Karezza,

Table 2: Symptoms Associated with Excess Prolactin

Women	Men
Loss of libido	Loss of libido
Mood changes; depression	Mood changes; depression
Hostility; anxiety	Impotence
Headache	Headache
Menopausal symptoms, even when oestrogen is sufficient	Infertility
Signs of increased testosterone level	Decreased testosterone level
Weight gain	Weight gain
Intercourse may be painful because of vaginal dryness	

(Source: http://www.reuniting.info/science/sex_and_addiction)

Table 3: The Benefits of Oxytocin

Fear – Cortisol

Aggression
Arousal; anxiety; feeling stressed-out
Activates addictions
Suppresses libido
Associated with depression
Can be toxic to brain cells
Breaks down muscles, bones and joints
Weakens immune system
Increases pain
Clogs arteries, promotes heart disease and high blood pressure
Obesity; diabetes; osteoporosis

Love – Oxytocin

Anti-stress hormone
Feeling calm and connected; increased curiosity
Lessens cravings and addictions
Increases sexual receptivity
Positive feelings
Facilitates learning
Repairs, heals and restores
Faster wound healing
Diminishes sense of pain
Lowers blood pressure, protects against heart disease

(From http://www.reuniting.info/science/sex_and_addiction)

White Tantra and various forms of spiritual sex. It heals and holds relationships together rather than driving them apart as frequent orgasmic sex seems to do—although, as we shall see later, it is also possible to have bonding orgasmic sex.

For a wealth of articles on the hormonal aspects of our sexuality, see <http://www.reuniting.info/science>.

SEXUAL RELATIONSHIPS

Presently a large number of marriages end in divorce, often after only a very short time. Informal relationships are even more fragile. While this is a rather recent phenomenon, the underlying reason has always been there. In previous centuries, dysfunctional marriages simply were held together by social pressure or an inability to get a divorce.

The underlying reasons that drive relationships apart are rooted in the hormonal characteristics of our sexual relationships. In evolutionary terms, we are conditioned to spread our genes as widely as possible and provide a safe environment for raising our offspring. This means we are programmed to meet someone, fall in love, mate to conceive a child, and after some time to meet another lover and repeat this procedure.

Females are attracted sexually to handsome men, but often choose mates based on resources and parenting potential, and males try to spread their genes by being strongly attracted to any (fertile) female with genetically desirable features.

This evolutionary pattern comes to a head after pregnancy when the woman maintains a high prolactin level during breastfeeding, and instead of maintaining a loving oxytocin connection with her partner she now has switched her oxytocin bonding to the baby. In this situation, sex is hormonally undesirable and any orgasmic sex leads to further hormonal and emotional instability.

Therefore, what happens presently in our society is perfectly normal in evolutionary terms. The main problem is just the unacceptable amount of emotional distress and social upheaval that it causes. Other casualties are our health and well-being, which are greatly enhanced by harmonious long-term relationships.

Initially we are bonded together by falling in love through a generous release of oxytocin, and we enjoy the exciting peaks of dopamine release during our sexual encounters. Gradually the oxytocin glow fades and we begin to fall out of love, and it also becomes more difficult to maintain an exciting sex life.

Instead of enjoying dopamine peaks, increasingly we now have to cope with the dopamine lows after our routine sexual encounters. We begin to see all the faults in our partner that were previously covered by high oxytocin levels (from frequent physical contact without unpleasant subconscious associations). These dopamine lows may last for up to two weeks, thus causing

considerable strain on a relationship. During this time we tend towards increasing irritability, nagging, resentment, frustration, blaming each other and similar negative emotions as an expression of a biological hangover. Depending on our emotional make-up, we may now develop a subconscious desire to separate, and many couples do just that.

Over time, couples may start losing interest in sex and withdraw emotionally, or they may try to shift their emotional involvement to other common interests and in this way may be able to maintain a satisfying relationship. Still others may try maintaining peak dopamine experiences by exploring all the different sexual positions or start swapping partners or becoming interested in a new partner.

Dopamine peaks can also be maintained by becoming addicted to something—it does not really matter to what: it may be to legal or illegal drugs, games, racing and betting, chocolate, or frequently finding a different sexual partner. Apart from causing long-term stress-related and other health problems, addictions also have a host of unpleasant side effects on our capacity for intimacy.

With the present structure of our society, it is obviously an advantage to form stable, co-operative, sexual relationships for the benefit of the children and also for the emotional well-being of the parents. As this objective is contrary to our evolutionary neurochemical conditioning, we need to find ways to outsmart the hormonal changes that drive us apart.

In hormonal terms, we need to maximise oxytocin production and avoid the dopamine rollercoaster. Apart from occasional procreating activities, all of this could be done within a loving, platonic relationship. However, there is a biological catch: to maintain a strong and healthy body, we also need to maintain a strong production of sex hormones. This hormone production is best maintained by sexual feelings. As with muscle activity, it is best to use it or we may lose it.

This leads us to two remaining questions: "Can sexual activity without orgasm be satisfying?" and "Is orgasm needed to stimulate our sexual glands and maintain the health of our sexual organs?" These questions cannot be confidently answered from theoretical considerations, but fortunately we already have a wealth of practical experience in this regard.

KAREZZA

Karezza (as well as White Tantra) is one answer to non-orgasmic sex. Basically, this practice shifts the focus of love-making from the sexual organs to the heart. There have been three basic ideas in the evolution of Karezza: increasing health and well-being, avoiding unwanted pregnancy, and increasing close bonding and sensual pleasure.

The Oneida Community

In the middle of the 19th century, some health-minded individuals, generally males, felt from their own experience that non-ejaculatory sex gave them more energy and improved their health while at the same time prevented unwanted pregnancies. Their female partners were uniformly enthusiastic about the close emotional bonding that it provided. (However, this is not necessarily the case at present, as many women still prefer orgasms and men are even more strongly orgasm oriented.)

One pioneer was John Humphrey Noyes from the Yale Divinity School. Noyes came up with the concept of male continence as a consequence of his wife losing four premature children in the first six years of their marriage. After struggling with self-imposed celibacy, he eventually found that he as well as his wife greatly enjoyed non-ejaculatory sex. He told friends about it, and in 1848 they founded the Oneida Community in upstate New York, which eventually grew to 250 men and women. Intercourse without ejaculation was a cornerstone of the Oneida Community. Young men learned self-control from post-menopausal women.

Noyes also realised some spiritual implications for male continence: in order to create the Kingdom of Heaven on Earth, we must not only strive for reconciliation with God but also bring about a true union of the sexes. He even suggested that the frequent unease after ejaculatory intercourse lies at the heart of the Judaeo-Christian association between sex and guilt.

Because of statements from some medical authorities that non-orgasmic sex is harmful, a large number of members of this community were examined by a medical practitioner and found to be "in perfect health, happy and in complete harmony".⁷

The Development of Karezza

In 1872, after more than 25 years of practice, Noyes published his experiences and theories in *Male Continence*. Two other Karezza classics are *The Karezza Method* by J. William Lloyd (1931) and *Karezza: Ethics of Marriage* by Alice Bunker Stockham, MD (1903). All of these are available as free downloads from <http://www.reuniting.info>.

Dr Stockham developed her method mainly to help her patients, and promoted it as producing better health, greater harmony and spiritual attainment. She believed that sexual energy may be directed into building bodily tissue and permeating every cell with health and vigour.

For Stockham, Karezza was a form of spiritual companionship. Partners seek union and mutual soul development rather than fleeting passionate gratification, but the emphasis is on loving closeness rather than denial of pleasure. At the appointed time and after joint meditation, the couple calmly engages in physical contact and expressions of endearment and affection, followed by the complete, quiet union of the sexual organs.

Only the book by Dr Lloyd still has some practical value in regard to details of the technique, while the other two books are mainly of historical interest. But all of them relate the great health and emotional benefits derived from this method.

By the middle of the 20th century, the practice of Karezza had greatly declined in the United States, although related non-ejaculatory methods apparently had gained many followers in India and Egypt.

Peace between the Sheets

Recently, Karezza has been enjoying a revival in the United States and knowledge of the practice has also been spreading to other countries, in large part due to the efforts of Marnia Robinson and Gary Wilson.

They maintain the website <http://www.reuniting.info> with a wealth of practical, scientific and spiritual articles as well as a discussion forum and a monthly newsletter. The basis for this work is Marnia's book *Peace between the Sheets: Healing with Sexual Relationships* (2003), available from their website.

Gary had been a long-time alcohol addict and was on prescription antidepressants. Within a short time of instituting their new sexual habits, he found it relatively easy to overcome these problems (although he still had some tough moments); also, Marnia's chronic yeast and urinary tract infections disappeared.

The book and the website, which includes a number of testimonials, show the many health and relationship benefits of this non-orgasmic approach to making love, and Marnia also provides easy-to-follow instructions and exercises for beginners.

The Karezza Method

In Karezza, the emphasis is on the inner feeling awareness as well as on the feeling of complete union with the partner. Orgasm is avoided or at least minimised. Caresses and slow, controlled movements during intercourse generate a steady stream of sexual energy that is consciously converted into feelings of sublime joy and love. Typically, this may continue for an hour or more. It is not necessary for the penis to be erect or even inside to enjoy this type of lovemaking: part or all of the time, the tip of the penis may just touch the

entrance of the vagina or the sexual organs may not touch at all.

Initially, concentrate awareness on the sensations at the point of contact with the partner, in the genital area and wherever the skin or a caressing hand touches. This generates pleasant sensations, which can now easily be converted into a loving feeling. Open your heart and send this love to your partner. In a more active fashion, you can in your imagination lead the energy felt in the genital or pelvic area upwards to the heart. There you feel it as love and radiate it out onto your partner and also envelop both of you in a cloud of love.

For many sensitive individuals, this is more satisfying than just mechanically experimenting with different positions or chasing an elusive orgasm. You may also lie quietly connected, just to relax and feel close, cared for and protected, without attempting to generate any specific effects. If sleeping together, you may develop a routine of connecting daily before going to sleep or after awakening, or both. This may be done without moving, just to feel close to each other, or you may sleep together skin to skin. All this is not only emotionally satisfying, but produces strong bonding and greatly strengthens the relationship.

A connection based on love provides a natural increase in sexual self-control, as explained by Dr William Lloyd: "As you acquire the habit of *giving* your sexual electricity out in blessing to your partner from your sex-organs, hands, lips, skin, eyes and voice, you will acquire the power to satisfy yourself and her without an orgasm. Soon you will not even think of self-control, because you will have no desire for the orgasm; nor will she."

**Intercourse without
ejaculation was a cornerstone of
the Oneida Community.
Young men learned self-control
from post-menopausal women.**

Dr Lloyd also notes the ability of Karezza, or controlled intercourse, to nourish lovers. He reports a sense of "sweet satisfaction, fullness of realisation, peace, often a physical glow and mental glamour that lasts for days, as if some ethereal stimulant, or rather nutriment, had been received". He says: "...in successful Karezza the sex-organs become quiet, satisfied, demagnetised, as perfectly as by the orgasm, while the rest of the body of each partner glows with a wonderful vigour and conscious joy...tending to irradiate the whole being with romantic love; and always with an after-feeling of health, purity and well-being. We are most happy and good-humoured as after a full meal."

BIO-ENERGY Regenerating the Life-Force

Sexuality and the various benefits resulting from non-orgasmic sex can only be understood in the context of bio-energy or life-force, also called *prana*, *chi*, *ki*, *orgone* or *od*. We may see it as the innermost aura around living objects or feel it as heat or tingling in our body, especially when transferring energy, as with "laying on of hands" or Reiki and most strongly during orgasm.

This energy circulates in our acupuncture meridian system, and its vortices form our chakra system.

It is at the base of paranormal or psychic phenomena and is also the healing agent of many natural therapies. While bio-energy is still unknown to orthodox science (except in astrophysics, where it is called "dark energy"), it is an everyday experience of many sensitive individuals. Sexual energy is highest in virginal teenagers, where related electrical activity can lead to static and interference with electrical and electronic equipment.

As living organisms, we are a dynamic bio-energy system. Our health and energy rely on a strong flow of bio-energy into the chakra system. From there, the energy flows through the meridian system into all the organs and tissues, and any surplus flows out to form the etheric aura around the body.

The sex chakra is our strongest bio-energy generator. In addition to providing a moderate stream of energy into the base chakra and then up the spine into the brain, it also keeps the production of our sex hormones going. If this energy generator becomes weak, then we lack vitality and may be close to a disease or to old age.

The problem now is this: if we let this energy generator deteriorate through poor nutrition or by blocking the flow of sexual energy, then our overall energy level deteriorates. If, on the other hand, we frequently use it with orgasmic sex, then we lose an inappropriate amount of bio-energy, again resulting in a low energy level in addition to the negative effects of strong hormone fluctuations.

The logical solution is the sufficient use or stimulation of our sexual energy, but without discharging it and without creating an energy blockage. Ideally, we produce a high amount of sexual energy and then channel it into the chakra and meridian systems to keep us young and healthy.

This model lets us understand the frequent claims of practitioners of Taoist (Daoist) and Karezza methods of love-making as to the amazing health and rejuvenating effects that have been experienced.

Lessons in Sex Perfection

Rudolf von Urban, an Austrian psychiatrist and psychologist, was originally associated with Sigmund Freud but, like Wilhelm Reich, later immigrated to the United States. In 1952 his book *Sex Perfection* was published, in which he relates experiences and insights that led him to the conclusion that there is a bio-energetic potential difference between a sexually charged male and female which requires about half an hour to be exchanged and reach an equilibrium. Knowing that his colleagues would not take kindly to facts that contradicted their theories, he waited 30 years before publishing his discoveries. In addition to writing about Karezza, he also relates the following observations which we need to consider when formulating a theory of sexual energy.

• **The Arabian couple:** The first account is of a former patient, a medical doctor, and his young Arabian bride. After caressing naked in a dark room for about an hour without sexual contact, he saw the body of his wife surrounded by a greenish-blue, hazy light. When he moved his palm "within an inch of her breast", a visible and audible electric spark jumped from the breast to his palm, causing some pain. Dr Karl von Reichenbach, a distinguished scientist, had previously described a similar phenomenon without being taken seriously by mainstream scientists.

Following von Urban's suggestions, the couple made a series of experiments with the following results. When they caressed for an hour and then had orgasmic intercourse lasting for less than 27 minutes, sparks still moved between them. However, if intercourse after caressing lasted 27 minutes or longer, no more sparks would fly. Furthermore, if they started intercourse immediately without caressing, the woman would not emit a visible radiation and no sparks

would develop regardless of the length of the intercourse.

In addition, caressing followed by orgasmic intercourse lasting less than 27 minutes induced in both a strong desire to have more sex. But if they acted on this with another brief intercourse, they both developed health problems afterwards, such as headaches, asthma and heart palpitations. Also after caressing and orgasmic intercourse of short duration, the sparks between them became stronger. Von Urban interpreted this as showing that a short orgasmic intercourse of less than 27 minutes eliminated the tension in the sexual organs but increased tension in the rest of their bodies. Sparks were also stronger a day before the start of her menstrual period, again indicating increased body tension.

Von Urban wrote that intercourse for periods of less than 27 minutes increased the distance at which the sparks would jump to more than one inch, indicating that the tension in their bodies became stronger with each orgasmic intercourse of short duration. These sparks, which may only be observed in individuals with strong sexual energy, show that the skin is highly charged with bio-energy. This is pleasurable and desirable as part of sexual foreplay, but then it needs to be discharged as part of a prolonged sexual union. If, instead, the skin remains charged up because the following union is too short, then the individual becomes tense and may in time develop stress-related symptoms and diseases.

So, to summarise, orgasmic intercourse for half an hour or more, with or without initial caressing, did not produce any sparks and therefore appears to eliminate all tension. Intercourse for half an hour or more was followed by a pleasant relaxation of the whole

Sexuality and the various benefits resulting from non-orgasmic sex can only be understood in the context of bio-energy or life-force, also called *prana*, *chi*, *ki*, *orgone* or *od*.

body, with increased love and happiness of the couple and no desire for another sexual connection for five or more days. If the intercourse lasted for an hour, this contentment lasted for one week, and after a two-hour intercourse it lasted for two weeks. This was true even when there was an early ejaculation but they remained sexually connected with a non-erect penis. Later, von Urban found these observations confirmed by reports from other couples.

• **South Sea Islanders:** Von Urban also describes the sexual practices of some Melanesian societies as confirming the experiences of the Arabian couple. Foreplay with kissing and caressing takes at least half an hour, but a man never touches the clitoris. Then they connect with their sexual organs and lie motionless together for at least another half-hour before starting movements, and after orgasm they remain sexually connected for a long time. He says that on nights when they did not have sex, they slept skin to skin but without any kissing or caressing. They had intercourse not more than about every five days, and sexual problems seemed to be unknown in these societies. They made fun of what they regarded as the immature sexual practices of Westerners.

• **The young woman:** Von Urban presents the case of a beautiful but "neurotic" young woman who was terrified of men, but after falling in love with a medical assistant of von Urban eventually agreed to marry him on the condition that he would not try to have sex with her. After six weeks, they spent their first night together, naked but without any sexual contact. After about half an hour of lying together, they both experienced an indescribable delight and rapture that lasted the whole night. However, after seven hours they had to separate or they would get a feeling of suffocation unless they had a shower, and then they could continue lying blissfully together. During the day they felt exceptionally happy, relaxed and energetic. For 14 years they practised this celestial type of love-making until they tried conventional sex and lost it. As with the Arabian couple, their experiences were enhanced by having a shower before lying together.

Von Urban's Six Rules of Perfect Sex

1. Preparation: A day chosen for making love should be filled with mutual kindness and affection. A period of love play with kissing and caressing should precede the sex act. Clitoral stimulation should be avoided. Woman who are used to clitoral orgasms should gradually, within a few weeks or months, be helped to refocus on vaginal stimulation. (Comment: Von Urban believed that clitoral stimulation increases tension and makes deep relaxation of the whole body more difficult, and that if one is used to clitoral stimulation it also may make it more difficult to achieve deep vaginal orgasm. The main goal for von Urban was not creating strong excitement and coming quickly to orgasm but, rather, having a loving and strongly bonding connection with a partner. This does not mean that everyone needs to do it this way; von Urban just believed that it gave the best long-term results in regard to health and relationships.)

2. Position: The partners should adopt a position that allows them to remain fully relaxed during a long intercourse. Preferred is the scissor position: the woman lies on her back with knees drawn to the chest, while the male lies on his left side crosswise to her, so that his penis touches the entrance of the vagina. She now drops her legs and he places his right leg between her legs. With

this, her left leg is between his legs while her right calf rests on his torso. Sides may be reversed. The man places the tip of the penis at the opened entrance of the vagina. Now all kissing and caressing should cease and both lovers should focus on the energy streams between their sexual organs. It does not matter if the penis is soft or erect. After half an hour and full exchange of sexual energy, the penis usually becomes erect and may now enter provided that the vagina is naturally moist.

The use of oil is discouraged as it slows the exchange of energy (but this should not be a problem with long connections), and condoms must be avoided (except possibly temporarily for the purpose of ejaculation) because they block the exchange of bio-energy and lead to increased body tension. (Comment: These recommendations are for couples in long-term relationships; for casual encounters, use safe sex practices.)

3. Duration: After the man has learned to control his ejaculation, the 30 minutes outside the vagina are no longer required. For a long connection of one to three hours, the couple remains mainly motionless or with slow movements. If ejaculation

occurs prematurely, the soft penis should remain inside until at least half an hour after entering. If unwanted pregnancy needs to be avoided, then withdraw shortly for ejaculation, urination and washing, and then connect the penis again to the inner lips.

4. Concentration: During the whole sex act from preparation to finish, the couple should focus on each other and what they are doing, and become aware of the sensations where they are touching and the energy flows within and between them.

5. Relaxation: It is essential to relax not only physically by choosing a suitable position, but also mentally and emotionally. Any kind of worry, guilt or preoccupation with work or family problems prevents relaxation and full exchange of bio-energy. Try to overcome such problems by dealing with them at other times, and use relaxation exercises and meditation to switch off when you want to. Another problem is that a woman may suppress her sex drive because of previous abuse or disappointment, and may resist subconsciously. This can usually be overcome with much tenderness, love and patience from her partner.

6. Frequency: While frequency of sex may depend mainly on the desire of the partners, von Urban observed that generally, after a 30-minute intercourse with proper preparation, couples are happy with a five-day interval; after one-hour intercourse, with a one-week interval; and after two hours, with a two-week interval. He regards a sufficient interval as important to fully recharge the body batteries with bio-energy.

Additional Comments on von Urban's Six Rules

Von Urban's observations seem to show that the undesirable effects of conventional orgasmic sex may be mainly due to unreleased body tensions rather than hormonal changes *per se*, although hormonal changes may be a result of bio-energetic changes. The increased contentment and happiness after von Urban's Perfect Sex appear to be the same as after Karezza, and would be due to the combination of persistently raised oxytocin and increased relaxation.

The main goal for von Urban was not creating strong excitement and coming quickly to orgasm but, rather, having a loving and strongly bonding connection with a partner.

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HARRY OLDFIELD'S AMAZING IMAGING TECHNOLOGIES

The revolutionary imaging systems developed by biologist Dr Harry Oldfield offer practitioners a means of seeing the condition of a patient's bio-energetic field prior to diagnosis and treatment.

by Evy King © 2007

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ONE STEP BEYOND! A MULTI-DIMENSIONAL JOURNEY

In 2006, the International Society for the Study of Subtle Energies and Energy Medicine (ISSSEEM) awarded Dr Harry Oldfield The Alyce and Elmer Green Award for Innovation for his work, noting that it "allows us to experience our multidimensional existence through his extraordinary images".

Harry Oldfield, British biologist turned energy-field researcher, developed his imaging system, Polycontrast Interference Photography (PIP), in the 1980s. He perfected this application after many years of research into Kirlian photography, which captures changing patterns of light energy emanating from all living things (including humans, animals and plants) and even from crystals.

His original research with Kirlian photography focused on the phantom leaf effect: a leaf from a tree or bush is set up for Kirlian photography, but a portion of the leaf is removed. In more than 50 per cent of cases, the energy outline showed the whole leaf, i.e., including the portion removed. Thus the Kirlian system shows a natural energy field corresponding to the physical structure and molecules of the leaf. Using his PIP technology, Oldfield subsequently found that this effect occurs with people, e.g., with arm, hand or finger amputees. In rare examples, phantom legs have been observed. In his PIP scans of people with missing limbs, there have been images showing a phantom limb. PIP images have also shown a phantom arm and hand—not visible to the naked eye—associated with a spiritual healer.

Electro-Scanning Method (ESM)

Harry Oldfield then developed a technique that he called the Electro-Scanning Method, or ESM, after observing while working with Kirlian photography that sound and radio frequencies, as well as light, emanated from the subjects. He decided that there must be information about the subjects in these as well as in the light frequencies. By lowering the voltage and increasing the frequency, he was able to introduce recognisable signals into the whole body of a human or an animal (or certain other objects).

Measurements of the energy field taken at many locations enables the build-up of an image in three dimensions (and effectively real time), rather like the sonar image built up to show the ocean floor. Kirlian photography is limited to giving a two-dimensional view, but ESM is able to give 3D numerical information in decibel levels about a subject's energy field, both at the surface and at a short distance.

Electro-Crystal Therapy (EleCT)

The energy field of humans and animals is complex and it varies with the mental and physical states of the individual. The variations in this energy field are measurable by ESM and other techniques. Harry looked for a method for restructuring the energy field and restoring it to normal. Indeed, a subject whose body is helped nearer towards a state of healthy equilibrium is more able to begin a self-healing process. His studies of the energy emitted by his subjects led him to check whether applying such energies externally might induce changes in such natural energy fields. He found that this was indeed possible.

As a result of following up a friend's suggestion and with more than a touch of "divine inspiration", Harry went on to develop a method for making the necessary energies available. Called Electro-Crystal Therapy (EleCT), it involved the linking of electronic oscillator equipment with certain crystals. The crystals employ the piezo-electric effect,

meaning that when the shape of some crystals is altered they emit electricity, and vice versa. Tiny signals sent to the crystals result in equally tiny acoustic energies being emitted by the crystals. These energies are harmless and barely detectable but are just right for interacting with human and animal physical body energy fields. Crystals have had natural healing properties associated with them for thousands of years. They also have their own natural abilities to focus energy, and in fact are energy transducers.

Polycontrast Interference Photography (PIP)

Much is explained about PIP in the book *Harry Oldfield's Invisible Universe*, by Jane and Grant Solomon. PIP instrumentation can distinguish between many different grades or qualities of light. The innovation is in the computer program, and the end result is an image on the computer screen shown as pulsating bands of colour and light. When PIP images are recorded, there is no need to make special preparations or to disturb anything. PIP imaging shows variations in energy fields, and some practitioners can achieve accurate assessment of energy fields from the images.

Harry found that all PIP images of the human body show close correlations with two healing systems that have been known for thousands of years. The energetic eddies and clusters graphically represented are similar to the chakras described in Ayurvedic medicine and to the energy meridian pathways in traditional Chinese medicine.

Here, at last, was a non-invasive tool that depicted visually the state and movement of force-fields, using not much more than a Tesla coil, a computer chip and a video recorder.

With the PIP system, we can see leaks and blocks in the energy flow, and this information can be very useful in natural medicine assessment, perhaps for choosing a regime for the Oldfield EleCT equipment or another form of alternative medicine (e.g., acupuncture, homoeopathy, reflexology). Many of these modalities have been practised effectively for centuries, but until now have lacked a methodology for demonstration and verification.

In certain circumstances, Harry Oldfield's PIP technology is able to pinpoint disturbed energy states before they become evident by standard diagnosis, allowing practitioners and healers the chance to nip problems in the bud. People at risk could be screened regularly so that hereditary or common diseases could be detected and remedial treatment given while it is still swift, cheap and easy to carry out.

This pioneering technique was developed to help improve health, but it soon became clear that it could be used for investigating paranormal phenomena, because minute energy changes seem to accompany these. Harry was meeting people who believed that some health problems came from psychic origins, so it was appropriate to look at those potentially psychic environments where people were becoming ill.

"Some objects radiate light, but mostly we 'see' an object

because light reflected from it is seen as an image in our eyes," says Harry, quoted in the Solomons' book. "A photonic interface set-up was required with which to detect light of varying energy from varying environments, leading to an image of the energy differences that was meaningful, i.e., PIP."

Harry was a self-confessed "Newtonian" biologist 30 years ago, interested only in the concrete evidence of hard scientific fact. However, through thought, meditation, life experience and probably an element of luck, he stumbled upon PIP and later on discovered how certain crystals can be used to alter the aura and promote conditions under which energy disturbances can diminish or disappear.

"I have always aimed to invent instruments that will help more people to experience more of the invisible universe," he says.

In the course of his research, he may have discovered a new form of complex energy on Earth. While PIP-scanning various crystals, Harry discovered that about 10 per cent of them have undulating within, on or about them a previously unreported entity with its own aura. It looks like a slug! The first one he discovered "disappeared" back into the crystal, seemingly when it realised it was being observed, and the PIP computer crashed with the message "unidentified instruction". Oldfield states that other researchers have independently confirmed the same phenomenon.

Multidimensional Energy Fields

Harry Oldfield's work with energy fields has opened the door to much wider fields of research and broached the previously undocumented and unfathomable: the afterlife and the space-time continuum. The imprint of history does in fact live on, he believes. According to Harry, again quoted from the Solomons' book:

"The proposition is that other energy-universes may exist on what are often called 'interrelated planes of reality', other dimensions where matter is vibrating at higher frequencies than

matter in the physical plane.

"I believe when we die we go into another realm (an altered state of consciousness, if you like), another octave up in the musical scale of the universe. I believe these other realms are just as real as the one we are occupying now, which we call physical reality. It is a higher level of vibration that a lot of us can't see. I also believe in the mind-brain non-locality theory where mind and brain function can work independently. To take the point further, another analogy often used is the 'ghosting' effect that sometimes happens when we watch television. We may be on a particular channel, but, due to signal interference, the broadcast from a second channel may also be visible on screen. In effect, there are two broadcasts, representing two different 'realities', occupying the same space."

This correlates with research Harry has conducted in mortuaries, specifically PIP-scanning the bodies of people who had died suddenly, unexpectedly and violently, as in car accidents. In such cases, there was often evidence of an energy field above or near the body. Harry states that in his experience,

Harry found that all PIP images of the human body show close correlations with two healing systems that have been known for thousands of years.

some pathologists, coroners and mortuary personnel sense a presence near the corpse, which prompts them to be extremely respectful in their intervention. He personally experienced a situation where the energy field above a recent accident victim pulsated dramatically in response to an assistant praying in sympathy over the body. From this, he approves of the common practice of many religions to allow a three-day "settling period" before burial or cremation.

Harry has scanned energy fields surrounding elderly people, whose deaths were expected and were likely to be peaceful and who were surrounded by supportive family members. The quality of the scans is quite different from those following violent death, validating the work of hospice volunteers and terminal-ward personnel, and begs the development of an "art of dying".

Harry has on record an image of a "soul harvester", an entity his research group nicknamed "Angelos". He believes there is a class of disincorporate beings, Angels of Death as it were, whose purpose is to comfort and guide disoriented people who have died. He has found several such entities while scanning graveyards and mortuary rooms. A classic film called *A Matter of Life and Death* (one of Harry's all-time favourites) bases its plot on the "error" created by such a messenger.

In Oldfield's early years of research, one of his most significant psychic encounters happened in 1979 while he was attached to the Dragon Project, a scientific and natural-energy investigation into ancient megalithic and neolithic sites, in particular the Rollright Circle in Oxfordshire. Harry was asked to monitor a winter solstice with his testing equipment. He and others on the project were hoping that when the Sun rose and the first rays of daylight hit the stones, electrical anomalies might appear.

In his enthusiasm and youthful inexperience, Harry arrived at approximately 2.00 am, many hours before sunrise, to set up his detection equipment in the stone circle. He was the only one there and decided to go into the circle. As he walked to one of the largest east-facing stones, the grass underneath him was crisp and frozen. As he was tapping his electrodes into the crevices of the standing stone, he had the feeling he was being watched. He caught sight of something out of the corner of his eye, and then in the torchlight he saw a large, dark shape approaching him very quickly. He realised it was a large dog/hound of Great Dane size but much more muscular in stature. It was completely black except for its eyes, which reflected the torchlight.

Harry, being very fond of animals, took off his glove and greeted him by patting him on the head. But as his fingers went through the fur to what should have been warm skin and flesh, Harry's hand recoiled as if it had been plunged into an icy freezer. Harry was afraid that his fingertips might stick to the dog's skin because it was so cold. He remarked in a sympathetic voice, "What are you doing out on a freezing night like this, boy? You should be in front of a nice warm fire." He was still presuming that this was a farm dog that was taking a nightly walk by himself.

He carried on assembling his detection array. One particular electrode was very stubborn and would not adhere properly, so he used slightly more vigour to attach it in the crevice, producing some audible scraping noise. This immediately brought the hound, moving silently and with white fangs exposed, right up to his face. Harry, although startled, kept his cool and made a remark which went something like: "Don't worry, boy. I'm not hurting the stone. I am here to learn from it." Harry related afterwards that he did not know where those words had come from, but in retrospect they probably saved his life!

When looking back at the stone and then at where the hound had been a second before, he suddenly thought, "Gosh, he moves very silently for a very big animal." He then looked down at the grass where the animal had been. Harry's own footprints had made big impressions in the frozen grass stems; however, where the hound had been, not a blade of grass had been disturbed. He also realised that when pointing

the lamp between him and the creature, his own breath condensation was clearly visible, but he did not remember any such condensation coming from the creature.

Harry hastily made a tactical retreat back to his vehicle, which was an Austin Maxi in those distant days, and he wound up the windows and locked the doors. He listened to the radio and drank hot coffee from his flask, while trying to convince himself that his imagination had been working overtime in the early hours of the morning. A couple of hours later, he was joined by colleagues and began to feel much better. He observed a beautiful sunrise and collected some interesting electrical and sound anomalies as light hit the stone circle.

When commended by the head of the project for being the first man in the Rollright Circle that day, Harry said, "I may have been

In the course of his research, he may have discovered a new form of complex energy on Earth.



the first human in the circle, but I wasn't the only one because I was joined by a black hound". The project leader's astonished face confirmed to Harry that something unusual had indeed happened. A local historian was called over and Harry was asked to repeat his story. Harry was then told that he had been the latest observer of the spirit guardian of these local sacred circle sites. The guardian is known locally as Black Shep, and is sometimes also known as the Black Hound of Hell. Harry was declared afterwards to be the only person to have touched the Hound of Hell and live to tell the tale!

A fatality had been associated with Black Shep in the late 1920s or early 1930s. One evening, a local village drunk was seen to be relieving himself against one of the stones of the site. His companions shouted to him that Black Shep would get him and he shouted back in no polite terms for them to go about their own business. The next morning he was found in the middle of the Circle with his throat torn out and other injuries. Local officials ruled that a wild animal, maybe one that had escaped from a zoo, had been the culprit in his demise, as no local wild indigenous animals such as wolves or bears, capable of inflicting such horrendous injuries, were now to be found in the English countryside!

Investigating Spiritual Photonic Interference

Another method Harry uses when investigating psychic and paranormal phenomena is photography with filters or gratings. The filters split light into different frequency components which are seen in multiple colours. This set-up, in experienced and sensitive hands, can yield extraordinary images showing entities otherwise invisible.

Harry's theory about these images centres on mind-brain non-locality: although in living beings the mind and the brain work together and through one another, in certain circumstances (e.g., near-death experiences and episodes with anaesthetics in operating rooms) they may work independently of one another. On recovery from such events, some people recall remote sightings and observations outside of their bodies and sometimes conversations or events in which they could not have participated through normal mind/brain function. There are reports of people who have seen deceased relatives and friends and sometimes even pets under these circumstances. Harry goes on to speculate in his theory that consciousness might even survive complete disincorporation, i.e., death itself. He has looked further into this theory and other interdimensional theories that speculate that there are parallel dimensions and universes that can interact with our own in certain circumstances.

He believes that information, possibly "photons" of higher frequency, can cross over into, interface with and cause interference with our own reality. He has coined the term "spiritual photonic interference", and uses the filter to investigate such phenomena. This theory also has implications for breaking the "light barrier", the scientific criterion that alleges that nothing

can exceed the speed of light. He believes that in other universes, the speed of light is different. Also, there is evidence emerging with the help of researchers such as Captain Bruce Cathie that even on Earth the speed of light is not constant.

The Oldfield Microscope

Dr Harry Oldfield is a member of the Royal Microscopical Society, Oxford, and of the Quekett Society (based at the Natural History Museum in London). The Oldfield Microscope, granted its US patent in 2006, utilises Harry's ideas about the selection of appropriate light waves to reveal hitherto-unseen information, this time at the microscopic level. A major feature of this imaging technique is that bacteria, cells and other micro-organisms can be studied in a living, moving state without the need for staining or killing the specimen. The micro-organisms, cells and tissues are stained with light with his system. With a standard student-level microscope fitted with Dr Oldfield's special adaptation, the resulting images are of extraordinary clarity.

For those wishing to know more about this significant invention, please log on to <http://www.oldfieldmicro.com>, where some very special images await you. This is only a fraction of the research that has gone on over the years.

Harry Oldfield was asked in recent years by an eminent professor of pathology to use his microscope to show hyaline cartilage, which is an extraordinarily difficult subject to stain and differentiate for the

light microscope. This took place in the professor's laboratory, and afterwards the professor showed Harry a book showing stained specimens of cartilage. He asked Oldfield the question, "How do you think your images compare to the ones you see here in this reference book?" After a short hesitation, Harry said without any doubt in his mind that the Oldfield Microscope images were far superior to those in the book. The professor replied: "Yes, indeed, you are correct. Also, these are pictures from one of my own books on pathology. Congratulations! You have made a big breakthrough."

Research Collaboration in the USA

Some of Dr Harry Oldfield's more recent work has taken him to the USA, where he is working closely with Dr Brian Dailey, MD, FACEP, FACFE, an attending physician in emergency medicine at Rochester General Hospital, Rochester, New York, and a member of the professional and advisory boards of The Monroe Institute (TMI) in Virginia; with Dr Claude Swanson, physicist and author of *The Synchronized Universe: New Science of the Paranormal*; with Dr Norman Shealy, MD, PhD, inventor of the TENS machine and author of *Life Beyond 100* and *Secrets of the Fountain of Youth*; and Bruce Moen, engineer and author of five books on interdimensional communication.

Drs Brian Dailey and Harry Oldfield first met in Iceland in 2005 at a Healing the Healers conference, during which time they



Dr Harry Oldfield

discovered a common direction in their work, including crystal healing and psychic research, especially in the area of investigation of the nature of mind and consciousness and how these could survive the death of the brain and the body. One thing that fired Brian's interest was experimentation in remote viewing (RV), where the mind, in detached mode, can travel to another location, sometimes through space and time, and come back with information which can be verified later. This goes a long way to support the mind-brain non-locality theory.

Their collaboration and investigations have continued at every opportunity. Brian organised a tour for Harry to the Gettysburg battlefields of the American Civil War in order to find any evidence of reported sightings of ghosts and manifestations in that troubled area. While roaming the battlefields, not only did they observe and record discarnate entities left over from the Gettysburg battles (using PIP and Harry's still camera plus filter), but also unknowingly captured on PIP video three saucer-shaped vehicles hovering in a clear blue sky that were not observable to the naked eye.

On these travels, Brian took Harry unofficially to The Monroe Institute in Virginia where he was introduced to a large crystal in the middle of a field. This crystal, standing over seven feet tall and more than four feet wide, is one of a pair and is reported to be one of the largest single crystals of quartz outside of a museum. Its effect was so powerful that if they were within 30 feet of it with their laptops, the crystal would interfere with the programs, causing them to crash. Staying out of its circle of influence, they were able to use PIP to observe Brian's energy interactions with the crystal, including his "charging" the crystal with energy using Reiki techniques and special breathing. They then observed the crystal glow with white light at its tip. When Brian released this energy, it caused strange interactions in the sky above. These energy patterns could only be seen with their apparatus; the naked eye saw only a clear blue sky.

Faraday Cage Experiment

The two researchers were later taken to a laboratory site inside The Monroe Institute where they met one of Brian's research colleagues and gave a demonstration of the apparatus.

It was then suggested that a further experiment be conducted using a Faraday cage, to exclude the possibility of extraneous electromagnetic and/or infrared influences, and there just happened to be one available in the laboratory at the time. A Faraday cage is designed to block out electromagnetic and radio frequencies. Without any time for preparation, Harry was conducted into the Faraday cage room, with all its monitoring equipment and observational apparatus. Inside it was a flotation bed filled with a heated solution of magnesium sulphate, or Epsom salts, on which a subject is laid for experiments into sensory deprivation or out-of-body experiences.

After he had set up his PIP camera, Harry was asked to take pictures of the empty Faraday cage. This showed up nothing special of interest, and definitely no infrared signature coming

from the flotation device. It was a very "quiet" set of control pictures, which was ideal for the experiment to come, the content of which he had no idea beforehand.

Brian then sat centrally in the chamber in clear view. Harry was then asked to take another control picture of Brian in the chamber. After a short period, Brian looked up and said, "Is it alright if I call in a few friends?" Harry nodded in the affirmative and looked towards the door, where he was surprised to find nobody present. He was thinking "Where are these few friends going to come from?", when certain light anomalies started to appear within his viewfinder. One was a circle of light above Brian, inside which a face began to appear. This was captured and recorded. Also, to the right in the Faraday cage, another light, amorphous in nature, started to appear and was duly recorded.

On post-analysis, coupled with an explanation from Brian, it seems that when he asked if he could call in a few friends for the experiment, he forgot to mention that these friends were not from this world. In fact, they were Brian's two departed brothers, whom he had asked to join him. Brian was not surprised at all that the two light anomalies had appeared because he said later that he had felt the presence of his two brothers as they joined him for the experiment. All of this was only disclosed to Harry after the whole episode. The recordings were handed over immediately to Brian and his colleagues.

The filters split light into different frequency components which are seen in multiple colours.

This set-up, in experienced and sensitive hands, can yield extraordinary images showing entities otherwise invisible.

Harry Oldfield Meets His Mentor, Bruce Cathie

In the latter half of 2006, Harry Oldfield was overwhelmed and delighted to meet his mentor, Captain Bruce Cathie, in his native New Zealand. Harry was inspired by Bruce's early books *Harmonic 33*, *Harmonic 288*, etc. Bruce Cathie's theories helped Harry form his harmonic and, he hoped, harmonious theories in his own mind in the 1970s. They also helped him understand his early work in Kirlian effects, fractal geometry and Earth energy projects.

While in New Zealand, Harry discussed with Bruce many new, enlightening and unifying theories that could possibly benefit mankind in the future. Harry recommends any past, present or would-be researcher to obtain copies of Bruce's books because they are invaluable in theory and application.

Harry Oldfield's research work continues unabated. With more funding, he could finish the work he has started on his many studies which include: fractal investigations into the make-up and geometry of nature; ways to break down certain plastics safely in the environment with the help of micro-organisms; and his vortex energy theory that he believes could be applied to tornadoes to develop ways to disperse their destructive power. He also has ideas and theories that he would like to apply to re-ozonise the damaged ozone layer and, using ocean technologies, to reverse greenhouse gas effects.

Harry's respect for the universal pulsation and presence of life is paramount.

Continued on page 78

KIRLIAN PHOTOGRAPHY AND THE NEW BIOELECTROGRAPHY

A new technique known as Bioelectrography improves the accuracy and repeatability of the early findings of Kirlian photography and extends the possibilities for dependable clinical diagnosis.

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A GREAT LEAP FORWARD IN BIO-ENERGETIC IMAGING

What is Kirlian photography? In essence, it involves high-voltage, high-frequency electricity that is applied to the underside of a plate made of an insulating material such as glass. When any conductive object (which could be metal or any material containing water, such as part of the body) is placed on this plate, there ensues an electric discharge through the air where the gap is narrow, close to the object. Light from this discharge can be recorded on a photographic film placed between the object and the electrified plate.

This much could have been expected. What was remarkable, however, was the discovery, made by Semyon and Valentina Kirlian in the 1940s, that the characteristics of the discharge varied with a person's physiological and mental states. The history, some suggestions regarding the physics of this process and an application to studies on mental patients were described some 15 years ago by Dr Victor Adamenko.¹

As a result of subsequent work by other investigators, it became clear that the characteristics of the discharge are sensitive to many factors in the design of equipment and the precise technique, so it was difficult for one investigator to repeat the work of another. In addition, without a means of quantifying the images, the interpretation had a large subjective element. Moreover, there continued to be a lack of any coherent theory to explain these effects. For these reasons, Kirlian photography failed to gain credibility with most doctors and scientists.

All three of these objections are now in the process of being overcome, due to the invention of a computerised version by Dr Konstantin Korotkov of St Petersburg, Russia.² To begin with, this method involves no photography—a tremendous advantage in terms of speed and convenience. Instead, the light from the electric discharge passes down through the glass plate to an electronic camera underneath. From here, the image goes to the computer in digital form. The high standards of design and construction of these instruments ensure that comparable results can be obtained among all those using them.

Gas-Discharge Visualisation

Most important is the fact that once the image is in digital form, it is possible to quantify its various parameters. A sophisticated software package, supplied with the instrument, allows you to measure the area of the image, its brightness, its "fractality" (how "jagged" the border is) and a number of other aspects. This software is being updated all the time. Now that it need not involve photography, this general type of method is known as Bioelectrography or Gas-Discharge Visualisation (GDV).

While a complete physico-chemical account of these effects will be a long time coming, there is no doubt that it will need to be based on an holistic theory of life. Such a theory has been emerging over the past three decades through the work of Dr Fritz-Albert Popp and others on quantum biology.³ It gains further support all the time and is beginning to make headway with the mainstream.

What do these images represent? In spite of much talk about the "Kirlian aura", little work seems to have been done to correlate these images (now becoming known as "Beograms") with the aura as seen by "sensitives". Nevertheless, the very immediate sensitivity of these images to a person's physical, emotional and mental state suggests that the characteristics of the discharge may indeed bear some relation to the aura.

The patterns of the image show considerable variation, even among healthy people (one could even speak of a fingerprint). Nevertheless, it is possible to define a number of types

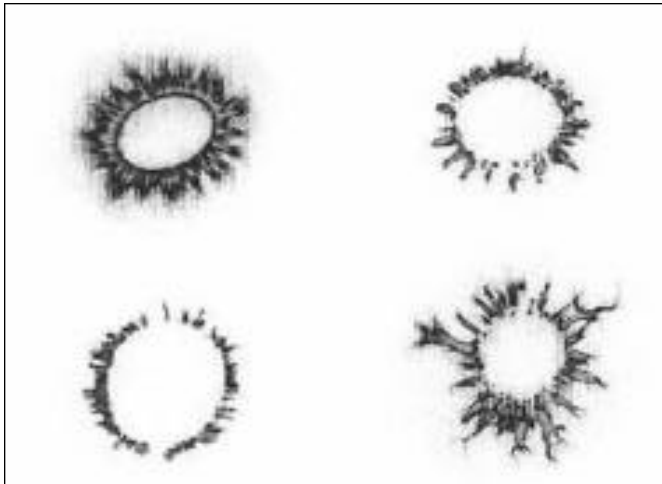


Fig. 1. Various types of finger images (from top left to right): (a) healthy adult, relaxed (the author); (b) same individual in temporary state of stress; (c) old person with low energy; (d) Reiki healer immediately after healing session; note branched streamers.

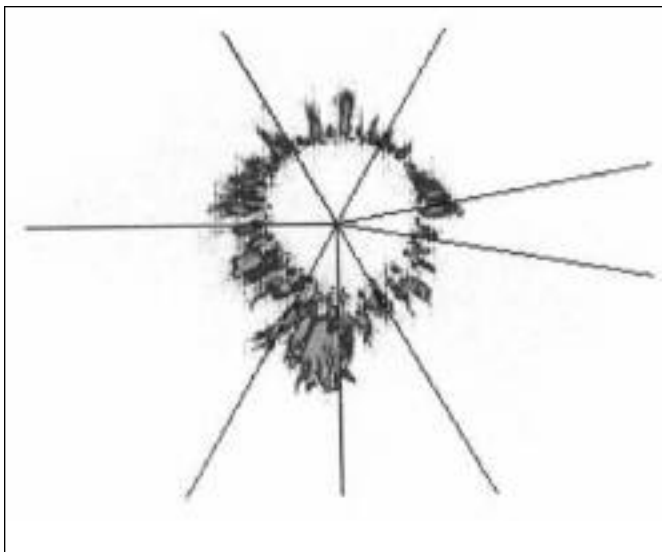
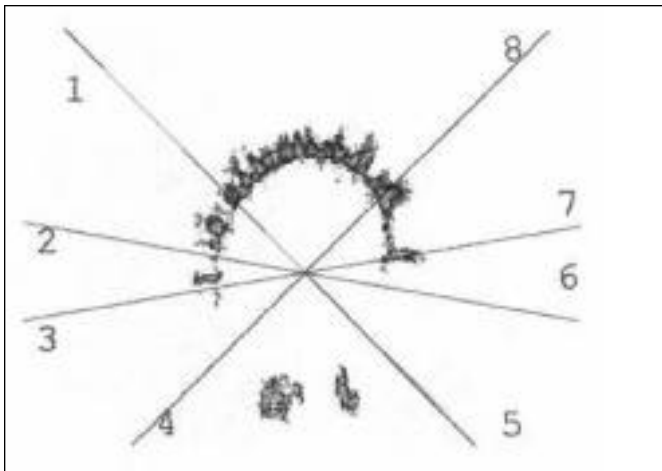


Fig. 2. Two types of defect. (a, above) left middle finger, a few days after the patient passed a painful kidney stone from left kidney; outburst type of defect in kidney sector indicates region of acute inflammation or pain; (b, below) right thumb of person suffering many years of trouble with teeth; gaps indicate region of weak energy in jaw; both thumbs were similar.



in relation to the state of health and psycho-physical constitution.

Figure 1a shows a typical beogram of a healthy adult. The colours [seen here in b&w as tones; Ed.] bear no relation to the actual wavelength of the light, which is mostly in the ultraviolet. They are "false" colours chosen to represent degrees of brightness. However, differences in brightness are rarely obvious from the image; for this, one needs to look at the quantitative values.

In conditions of poor health, fatigue or stress, the beogram tends to show reduced area, with increased brightness and fractality (fig. 1b). But this is only a general guideline: in some conditions of ill health, the area can be too great, and brightness and fractality too small.

Beograms also vary greatly with age—a fact that is now taken into account by some of the diagnostic programs. For example, healthy children tend to have high values for brightness and fractality, which might indicate stress in an adult.

Organ correspondences

As a result of long clinical experience using conventional Kirlian photography, Dr Peter Mandel in Germany has found that illnesses may be represented by characteristic defects in the finger images. Thus he was able to define sectors of the finger images corresponding to the main organ systems of the body. These sectors are broadly related to the meridian system in acupuncture. So, just as in reflexology, iridology and auriculotherapy, these observations support the intriguing idea that the subtle energy system may be holographic in its nature.

Having essentially confirmed this organ representation, Dr Korotkov has added a further useful facility, by which the software takes the sectors of the images for all 10 fingers and arranges them around an outlined human figure so as to approximate the corresponding organs and give the appearance of an aura (fig. 3).

Examples of organ representation are shown in figure 2. These also show two types of defect: there may be an outburst of the image beyond the average radius (fig. 2a), or a weak area or even an obvious gap (fig. 2b). The first corresponds to the "excess" state in acupuncture and may indicate an inflammatory condition or pain, while the second represents a weakness in energy in that organ system, which corresponds to the "deficiency" state of an acupuncture meridian, and may result in sluggish function of the organ or, eventually, degeneration. These defects may be only transitory and, as such, are not of much pathological significance. On the other hand, if they are constant, and especially if they occur in the same sector of the finger on both hands, then one should suspect frank pathology.

It should be noted that while such defects are often seen in conditions of acute local pathology or immediately after surgery, the energy system tends to compensate for any disturbance so that in chronic conditions the defects may not be manifest. Nevertheless, they can often be caused to appear by subjecting the organ to some suitable functional stress; for example, a heavy meal for the stomach or exercise for the heart.

Effects of the therapy

Although the presence of defects may give an indication of the location of pathological processes, often it does not. Thus, with our present state of knowledge, the instrument should not be relied on to give conventional medical diagnoses. But it does indicate the state of a person's energy system. Its greatest use in medicine is probably as a feedback on the effects of therapy.

Figure 3 shows "aura" beograms of a patient immediately

before acupuncture and then 30 minutes after. To see this kind of change can encourage the therapist that he/she is on the right track. It can be very encouraging for the patient as well, since he/she may not feel benefit subjectively until much later or after a number of treatments. In addition, the method can just as well show effects of negative influences, such as radiation from mobile phones or geopathic stress.

Each image is essentially a snapshot picked from a very dynamic process. But, with the quantitative facility, one can trace the time-course in a very revealing way. (Indeed, recent developments now make it possible to make a "movie", with readings as often as 30 per second.) Figure 4 represents the effects of a single, 20-minute treatment with singlet oxygen therapy.⁴

Because of the strong influence of mental factors, it is important that the person is in as stable a state of mind as possible for the treatment. Thus, on arrival, a patient should rest some 15 minutes before the first reading is taken. In addition, if it is desired to confine the examination to the physical body, one can avoid mental effects by putting a thin plastic disc between the finger and the electrode. The effect of relaxation and simple meditation is usually to increase area and reduce fractality. Figure 5 represents the course of events during the first few minutes after an experienced meditator commences meditation. Likewise, one can immediately see the opposite effects after a shock, such as a door slamming or even a painful thought.

Opposite effects may also occur if the person engages in deep imagery or other kinds of altered state of consciousness (ASC). But in this case, the images can show some other remarkable properties. In a special study of ASC, Dr Korotkov's group has defined a characteristic type of beogram. The image is seen as separated from the finger, mainly of the left hand in most cases, and especially of the left ring-finger. This is shown, for example, by some healers after they enter the healing state and by sports people while visualising their performance.

Even more specific to ASC is the behaviour of the image area during a train of rapidly repeated exposures (a "movie"). In the normal state of consciousness, this stays more or less steady or falls slowly; in ASC, it rises steeply. This finding was made during studies (of which many have been done in Russia) of children trained to see without using their eyes—so-called "direct" vision.

A really remarkable finding (by another Russian group) was made with pairs of individuals in a close, emotional relationship. When one imagined sending love to the other (who could be miles away), a detached spot was then seen on the sector of the little finger relating to the heart. This spot appeared on the left hand for the sender and the right for the recipient.

The GDV technique has clearly made a big step toward putting bioelectrography on the scientific map. We can look forward to further developments, which are gathering pace and which promise intriguing possibilities.

Continued overleaf ...

Editor's Note:

This article first appeared in *Caduceus* magazine (issue 67, Winter 2005; <http://www.caduceus.info>), from which it is reproduced with kind permission. It was also reprinted in the *Institute for Complementary Medicine Journal*, January 2006 edition, <http://www.i-c-m.org.uk/journal/2006/jan/a02.htm>. Dr Taylor's article "The Magic and Mystery of ORMUS Elements" was published in our last edition, vol. 14, no. 2, and his essay "Free Radicals and the Wholeness of the Organism" was published in NEXUS vol. 13, no. 3.

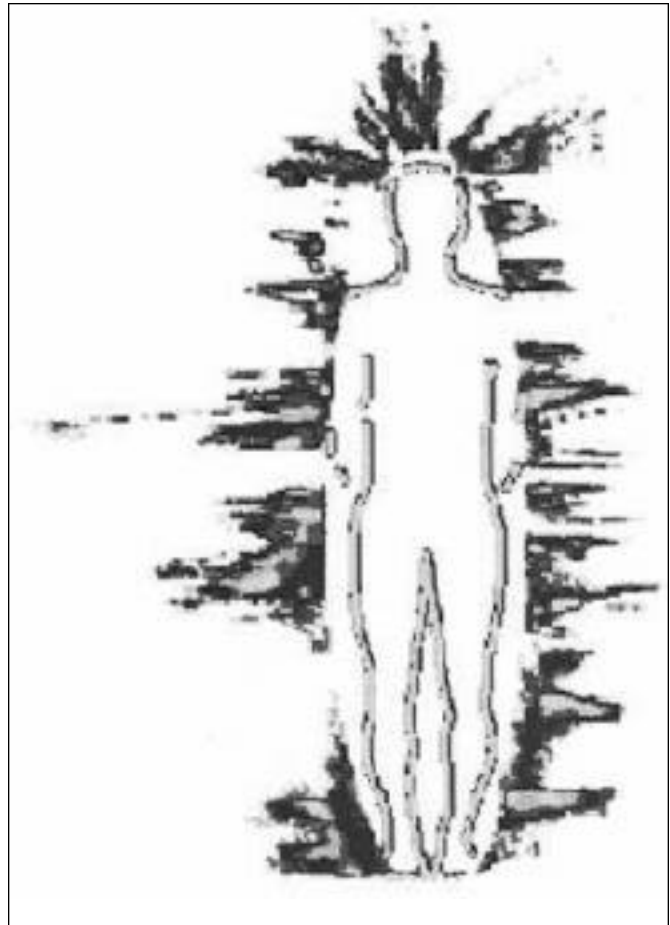


Fig. 3. Images from all 10 fingers arranged around a body outline to simulate an aura: (a) before, and (b) 30 minutes after acupuncture. [Source: Korotkov (a)]

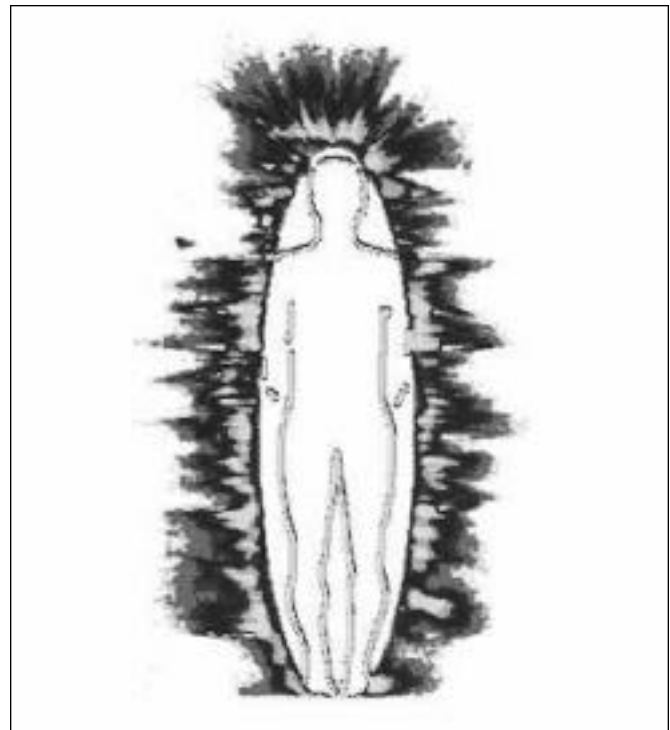


Figure 4

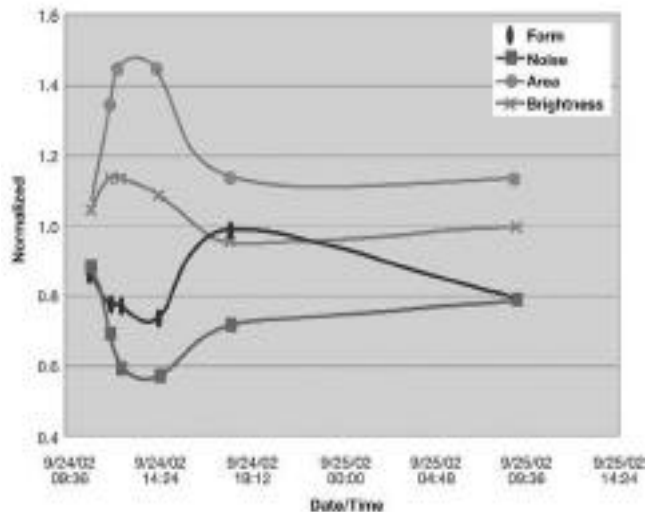


Fig. 4. An example of the use of the quantitative facility: the course of events after singlet oxygen therapy. Each point represents the average value obtained from readings on all 10 fingers of one out of four chosen parameters. (Form is a measure of fractality of the border; noise is a measure of the number of very small fragments.) Twenty minutes of therapy was given immediately after the first (control) reading (arrow).

Endnotes

1. *Caduceus* 12, Winter 1990/91, pp. 18-21.
2. Books by Dr K. G. Korotkov: (a) *Aura and Consciousness*, St Petersburg, 1999, 2nd ed., ISBN 5-8334-0330-8; (b) *Human Energy Field*, Backbone Publishing Co., Fair Lawn, NJ, USA, 2002, ISBN 0-9644311-9-1. Also see *Measuring Energy Fields* (GDV Bioelectrography Series Volume 1), edited by Dr Konstantin Korotkov, Backbone Publishing Company, Fair Lawn, USA, 2004, ISBN 0-9742019-1-X (hardback, 278 pp.). See also websites <http://www.kirlian.org>, <http://www.gdvusa.org>, <http://www.kirlianresearch.com>. Several UK therapists are using GDV, e.g., David Broom; see <http://www.iconmag.co.uk>. There have been regular conferences in St Petersburg, and in April 2005 Dr Korotkov spoke at the 8th Conference on Science and Consciousness in New Mexico (<http://www.bizspirit.com>).
3. See especially book by Dr Mae-Wan Ho, *The Rainbow and the Worm*, World Scientific (57 Shelton Street, Covent Garden, WC2H 9HE, UK), 1998, 2nd ed., ISBN 981-02-3427-9. Also available from the Institute for Science in Society, <http://www.i-sis.org.uk>.
4. This is a highly effective alternative to ozone therapy which, being entirely safe, can conveniently be self-administered. For further background on activated oxygen therapies, see my article in *Caduceus*, issue 45, Autumn 1999, p. 42. Also, for report on remarkable scientific work on the mode of action of these oxygen therapies, see my article "Free Radicals and the Wholeness of the Organism", *Network* (Journal of the Scientific and Medical Network), Spring 2005, pp. 18-20 [reprinted in NEXUS 13/03].

Correction:

In Dr Taylor's article on ORMUS Elements last edition (14/02), we included incorrect metric conversions; the equivalent to 31 pounds is 14.1 kg, and the equivalent to 58 pounds is approx. 26.4 kg. We apologise for the errors. Ed.

Figure 5

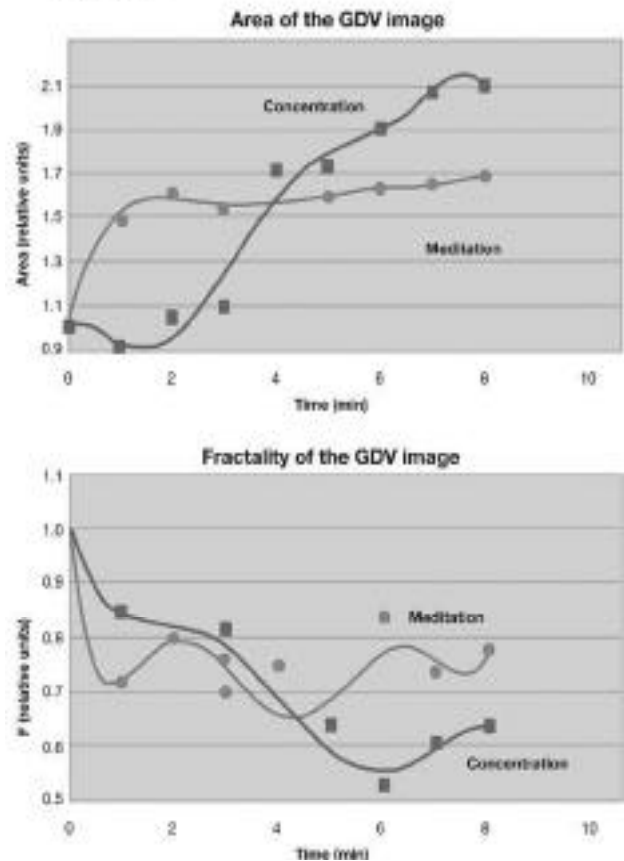


Fig. 5. Two experiments showing effects of meditation to increase area and decrease fractality of the image of a single finger. In one experiment ("Meditation"), the procedure was to calm the mind in the usual way; in the other ("Concentration"), the subject was given two different symbols on paper and, focusing his eyes on a spot halfway between them, concentrated on bringing them together in the centre of the visual field. This method tends to bring the two sides of the brain into synchrony. [Source: Korotkov (a)]

About the Author:

Roger Taylor qualified first in physiology (BSc) and then in veterinary science (BVSc). After three years' work in animal physiology, his career, including his PhD work, has been mainly in fundamental immunology. Working at the UK National Institute for Medical Research, Dr Taylor participated in discoveries of the function of the thymus and of T and B cells. Moving to Bristol University, he set up the Medical Research Council's Immunobiology Research Group, where he directed work mainly on immunological tolerance. He has written some 55 articles on immunology, and a few contributions to books.

Becoming disenchanted with mainstream biomedical science, Dr Taylor took early retirement and has spent the last 17 years studying the scientific basis for subtle energy. Much of his work has been with Dr Korotkov's computerised Kirlian equipment, mainly looking at the effects of various therapies.

Dr Taylor writes primarily for *Caduceus* magazine, based in the UK, for which he also acts as science editor. He can be contacted by email at rogerbt@onetel.com.

THE AETHER SCIENCE OF DR N. A. KOZYREV

by David Wilcock © 2006

Dramatic scientific evidence that all of physical matter is formed by an "aether" of invisible, conscious energy has existed for decades.

Renowned Russian astrophysicist Dr Nikolai A. Kozyrev (1908–83) proved beyond any doubt that such an energy source had to exist, and as a result he became one of the most controversial figures in the history of the Russian scientific community.

The awesome implications of his work, and of the work of all those who followed him, were almost entirely concealed by the former Soviet Union, but with the fall of the Iron Curtain and the advent of the Internet we are finally gaining access to "Russia's best-kept secret". Two generations of remarkable research by thousands of PhD-level specialists has emerged from Kozyrev's seed findings, which completely change our understanding of the Universe.

An unseen medium of energy

The aether's existence was widely accepted without question in scientific circles until the early 20th century, when the Michelson–Morley experiment of 1887 was co-opted to "prove" that no such hidden energy source existed.

However, more recent breakthroughs involving "dark matter", "dark energy", "virtual particles", "vacuum flux" and "zero-point energy", to name a few, have brought reluctant Western scientists to acknowledge that there must indeed be an unseen energy medium throughout the Universe. As long as you use a benign term like the "quantum medium" and not the forbidden word "aether", you can talk about it in the mainstream press without much fear of ridicule.

One early example of proof for the existence of the aether comes from the respected physicist Dr Hal Puthoff. He frequently mentions experiments from the early 20th century, conducted before quantum mechanics theory even existed, that were designed to see if there is any energy in "empty space". In order to test this idea in

the laboratory, it was necessary to create an area that was completely free of air (a vacuum) and lead-shielded from all known electromagnetic radiation fields by using what is known as a Faraday cage. This airless vacuum space was then cooled down to absolute zero or -273°C , the temperature where all matter should stop vibrating and thus produce no heat.

These experiments proved that instead of an absence of energy in the vacuum, there is a tremendous amount of it, from a completely non-electromagnetic source!

Dr Puthoff has often called this a "seething cauldron" of energy in very high magnitudes. Since this energy could still be found at absolute zero, this force was dubbed "zero point energy" or ZPE, whereas the Russian scientists usually call it the "physical vacuum" or PV.

Established mainstream physicists Dr John Wheeler and Dr Richard Feynman calculated that the amount of zero-point energy in the space volume of a single light bulb is powerful enough to bring all the world's oceans to the boiling point!

Clearly, we are not dealing with some weak, unseen force but, rather, a source of almost impossibly grand power which would have more than enough strength to sustain the existence of all physical matter.

In the new view of science that is emerging from aether theory, all four of the basic force fields, whether gravity, electromagnetism, weak nuclear force or strong nuclear force, are simply different forms of the aether/ZPE.

Professor M. T. Daniels found that the density of the gravitational energy near the surface of the Earth is equal to 5.74×10^{10} (t/m^3). (Let us not forget that gravity would simply be another form of aether in this new model.) Prof. Daniels's finding means that drawing a sizeable 100 kilowatts of this "free energy" power from the gravitational field dips into an extremely tiny 0.001 per cent of the natural energy that is being produced in that area. (See *New Energy News*, June 1994, p. 4.)

Research conducted by Dr Nikola Tesla led to his statement in 1891 that the aether "behaves as a fluid to solid bodies, and as a

solid to light and heat", and that under "sufficiently high voltage and frequency" it could be accessed—which was his hint that free energy and antigravity technologies are possible.

Let us pay special attention to Tesla's statement that the aether has a fluid-like effect when we are dealing with solid objects, as this ties in directly with the work of Dr N. A. Kozyrev.

Rethinking matter

In order to truly grasp Kozyrev's work and related findings, certain new analogies for physical matter are required. Kozyrev's work forces us to visualise all physical objects of matter in the Universe as if they are sponges submerged in water. In all of these analogies, we should consider the sponges as having remained in water for a long enough period of time that they are completely saturated. Bearing this in mind, there are two things we can do with such sponges underwater: we can decrease the volume of water that they contain or increase it by very simple mechanical procedures.

1. Decrease: If a submerged, saturated sponge is squeezed, cooled or rotated, then some of the water inside of it will be released into its surroundings, decreasing its mass. Once the sponge is no longer disturbed, the pressure on the millions of tiny pores is relieved, causing it again to absorb water and expand back to its normal resting mass.

2. Increase: We can also pump more water pressure into the sponge in its rest state, such as by heating (vibrating) it, thus causing some of the pores to expand with more water than they can comfortably hold. In this case, once we relieve the added pressure, the sponge will naturally release its excess water and shrink back down to its normal resting mass.

Though it would seem impossible to most people, Kozyrev showed that by shaking, spinning, heating, cooling, vibrating or breaking physical objects, their weight can be increased or decreased by subtle but definite amounts. And this is but one aspect of his amazing work.

Dr Kozyrev's background

Since the Western world is largely uneducated about Kozyrev, some biographical and research information is in order. Far from a being a "crank" or "crackpot" scientist, he was in fact considered one of the pre-eminent Russian thinkers of the 20th century. Kozyrev had his first scientific paper published at the tender age of seventeen, and other scientists were amazed by the depth and clarity of his logic. His main work was in astrophysics, where he studied the atmospheres of the Sun and other stars, the phenomenon of solar eclipses and radiation equilibrium. By age twenty he had already graduated from the University of Leningrad with a degree in physics and mathematics, and by age twenty-eight he was widely known as a distinguished astronomer who had taught at several colleges.

Kozyrev's abundant life took a most unfortunate and difficult turn in 1936, when he was arrested under the repressive laws of Josef Stalin, and in 1937 he began 11 torturous years enduring all the known horrors of a concentration camp. In this state, he mused deeply upon the mysteries of the Universe, paying attention to all the patterns that exist in life, wherein so many different organisms show signs of asymmetry and/or spiralling growth. From his illuminated observations, Kozyrev considered that all life-forms might be drawing off an unseen, spiralling source of energy, in addition to their normal properties of gaining energy through eating, drinking, breathing and photosynthesis.

Kozyrev theorised that things such as the direction of a shell's spiralling growth and which side of the human body will contain the heart are determined by the direction of this flow. Should there be an area somewhere in space-time where the energy flow spiralled in the opposite direction, then he would expect shells to grow in the opposite direction and the heart to be in the opposite side of the body cavity. Kozyrev suggested that life couldn't form in any other way, because it is actively drawing off this spiralling energy to sustain itself and must therefore follow its proportions every step of the way. In this sense, we can think of the skeletal system as an "antenna" for this energy.

When Kozyrev was finally rehabilitated from the prison camp in 1948 and could return to his field of expertise, he made many predictions about the Moon, Venus

and Mars, which were validated by Soviet space probes more than a decade later. This then earned him the distinction of being a major pioneer in the Soviet space race. In 1958, Dr Kozyrev again aroused worldwide controversy by proclaiming that the Moon exhibits volcanic activity in the Alphonsus crater.

US Nobel Prize winner Dr Harold Urey was among the small group who believed that Dr Kozyrev's theory of volcanic activity on the Moon is correct, and he urged NASA to conduct an investigation. As a direct result, NASA launched the enormous *Moon Blink* project, which later confirmed Dr Kozyrev's assertions by finding significant gas emissions on the Moon.

Kozyrev had his first scientific paper published at the tender age of seventeen, and other scientists were amazed by the depth and clarity of his logic.

However, not all of Kozyrev's work was quite so readily assimilated into the mainstream world of NASA.

The science of time

In the winter of 1951–52, Dr Kozyrev began his foray into the world of exotic physics, with the first of what became an exhaustive series of 33 years' worth of very intriguing and controversial experiments.

As we said, the spiralling energy patterns in nature unveiled themselves to the initiated eyes of Dr Kozyrev while in the concentration camp. His "direct knowledge" informed him that this spiralling energy was in fact the true nature and manifestation of "time".

Obviously, he felt that "time" as we now know it is much more than just a simple function for counting duration. Kozyrev urges us to try to think of a cause for time, something tangible and identifiable in the Universe that we can associate with time.

After pondering this for a while, we see that time is ultimately nothing but pure, spiralling movement. We know that we are tracing a complex spiralling pattern through space thanks to the orbital patterns of the

Earth and solar system.

And now, "temporology", or the science of time, is under continual active investigation by Moscow State University and the Russian Humanitarian Foundation, inspired by Dr Kozyrev's pioneering work. On their website, they state:

"In our understanding, the 'nature' of time is the mechanism [that brings about] appearing changes and occurring newness in the world. To understand the 'nature' of time is to point to ... a process, a phenomenon, a 'carrier' in the material world whose properties could be identified or corresponded with those of time."

This may seem strange at first glance, since a tree falling in your yard could be seen as a result of a strong wind, not of the "flow of time". However, you must then ask yourself what caused the wind to blow. Ultimately, the motion of the Earth on its axis is most responsible. Hence, all changes are caused by some form of movement, and without movement there can be no time.

Several of the scholars whose papers are published through the Russian Institute of Temporology agree that if Kozyrev had changed his terminologies and use of the word "time" to more common scientific terms such as "the physical vacuum" or "the aether", then many more people would have been able to understand his work sooner in the ensuing years.

Torsion physics

In 1913, Dr Eli Cartan was the first to demonstrate clearly that the "fabric" (flow) of space and time in Einstein's general theory of relativity not only "curves", but it also possesses a spinning or spiralling movement within itself known as "torsion".

Most people are unaware that it is now generally accepted that the space surrounding the Earth and perhaps the entire galaxy has "right-handed spin", meaning that energy is influenced to spin clockwise as it travels through the physical vacuum.

According to Sciama et al., static torsion fields are created from spinning sources that do not radiate any energy. However, once you have a spinning source that releases energy in any form, such as the Sun or the centre of the galaxy, and/or a spinning source that has more than one form of movement occurring at the same time, such as a planet that is rotating on its axis and revolving around the Sun at the same time,

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then dynamic torsion is automatically produced. This phenomenon allows torsion waves to propagate through space instead of simply staying in a single "static" spot. Thus, torsion fields, like gravity or electromagnetism, are capable of moving from one place to another in the Universe.

Furthermore, Kozyrev proved decades ago that these fields travel at "superluminal" speeds, meaning that they far exceed the speed of light. If you can have an impulse that moves directly through the "fabric of space-time", travels at superluminal velocities and is separate from gravity or electromagnetism, you have a significant breakthrough in physics—one that demands that a "physical vacuum", "zero-point energy" or an "aether" must really exist.

Torsion field experiments

Dr Kozyrev's experiments began in the 1950s and were conducted since the 1970s with the ongoing assistance of Dr V. V. Nasonov, who helped to standardise the laboratory methods and the statistical analysis of the results. Detectors using rotation and vibration were specially designed and made that would react in the presence of torsion fields, which Kozyrev called the "flow of time".

It is important to remember that these experiments were conducted under the strictest conditions, repeated in hundreds or in many cases thousands of trials and were written about in extensive mathematical detail. They have been rigorously peer-reviewed, and Lavrentyev and others have replicated the results independently.

Going back to our earlier analogy, we said that matter behaves somewhat like a sponge in water. If we do something to disturb the structure of the sponge, such as squeeze it, spin it or vibrate it, then it will release some of its water back into its environment.

Over the years, all of the following processes were discovered to create a "time flow" of torsion waves in the laboratory, due to their disruption of matter in some form: the deforming of a physical object; the encounter of an air jet with an obstacle; the operation of an hourglass filled with sand; the absorption of light; friction; burning; the actions of an observer, such as a movement of the head; the heating or cooling of an object; phase transitions in substances (frozen to liquid, liquid to vapour, etc.); dissolving and mixing

substances; the fading death of plants; non-light radiation from astronomical objects; and sudden changes in human consciousness. Other than the perplexing final item related to consciousness, we can readily see how each process is disturbing matter in some way, thus causing it to absorb or release minute amounts of its aetheric "water", which fits perfectly with our sponge analogy.

Even more importantly, the fact that strong emotional energy could also cause a measurable at-a-distance reaction has been repeatedly documented not just by Dr Kozyrev but many others, and this is where our concepts of psychic phenomena and consciousness come into the picture.

Even more importantly, the fact that strong emotional energy could also cause a measurable at-a-distance reaction has been repeatedly documented ...

Such concepts became even bigger news after the September 11, 2001 terrorist attacks on the United States, when Dean Radin and his team at the Institute of Noetic Sciences were able to measure a tremendous change in the behaviour of computerised random-number generators surrounding the time immediately before and after the attack.

The data show that, somehow, a change in the mass consciousness of humanity affected the behaviour of electromagnetic energy in computer circuits around the world, especially those computers nearest to North America. This suggests that torsion waves and consciousness are essentially identical manifestations of intelligent energy.

Aiding and shielding torsion effects

Returning to the more "comfortable" arena of physical matter, Kozyrev's work showed that torsion fields can be absorbed, shielded or sometimes reflected. For example, sugar can absorb, polyethylene film and aluminium can shield and other forms of aluminium or mirrors can reflect.

Kozyrev found that in the presence of this

energy flow, objects that are rigid and inelastic show weight changes, whereas flexible, elastic objects show changes in their elasticity and/or viscosity. Kozyrev also showed that the weight of a spinning top changes if it is vibrated, heated or cooled or if it has an electric current passed through it.

The Einstein–Cartan theory, which in 1913 established a theoretical basis for the existence of torsion fields, predicts that there is either right-handed or left-handed torsion in space, depending on the location. Subsequent discoveries in quantum physics related to the notion of "spin" confirmed that "electrons" have "right-handed" or "left-handed" spin, meaning that movement will be detected that is either clockwise or counterclockwise. All atoms and molecules maintain varying degrees of balance between right- and left-handed spin. Kozyrev determined that strongly right-handed molecules such as sugar can shield torsion effects, whereas strongly left-handed molecules such as turpentine strengthen them.

Subsequent Russian investigations also determined that common polyethylene film acts as an excellent shield for torsion waves, and these findings were used in many different experiments such as those discussed by Dr Alexander Frolov.

About the Author:

David Wilcock is a professional lecturer, filmmaker and researcher of ancient civilisations, consciousness science and new paradigms of matter and energy. His upcoming film *Convergence* unveils the proof that all life on Earth is united in a field of consciousness.

David is also the subject and co-author of *The Reincarnation of Edgar Cayce?*, which explores the remarkable similarities between David and Edgar, features many of David's most inspiring psychic readings, and reveals documented NASA scientific proof of interplanetary climate change and how it has a direct impact on our DNA. Visit his website at <http://www.divinecosmos.com>.

Editor's Note:

David Wilcock's complete paper, "The Breakthroughs of Dr N. A. Kozyrev", with illustrations and endnotes is available at http://www.divinecosmos.com/index.php?option=com_content&task=view&id=95&Itemid=36.

THE CRIMINAL HISTORY OF THE PAPACY

The history of greed, blood-lust and depravity of many of the popes and the Roman Church hierarchy has been falsified by modern Church historians to present images of piety and humility.

Part 3 of 3

by Tony Bushby
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Pope Julius II, "Warrior of Rome"

The papacy continued on its way into degeneracy with no parallel in the history of world religion, and that brings us to another militaristic and disbelieving pope. He was Giuliano della Rovere (1443–1513) and he called himself Julius II (1503–13). He fought and intrigued like a worldly prince and was famous for his long and bloody wars. He was constantly in the field leading his army, firmly convinced of the rightness of his frightful battles. He led his Catholic troops into combat dressed in full armour and at one stage was almost captured.

Florentine-born Francesco Guicciardini (1483–1540), the ablest historian of the time and papal governor of Modena and Reggio, remarked that Julius II had nothing of the priest but the name, writing that he was "...a soldier in a cassock; he drank and swore heavily as he led his troops; he was wilful, coarse, bad-tempered and difficult to manage. He would ride his horse up the Lateran stairs to his papal bedroom and tether it at the door" (*Istoria d'Italia* ["History of Italy"], Francesco Guicciardini, 1537, 1832 ed.; quoted in *A History of the Popes*, Dr Joseph McCabe, C. A. Watts & Co., London, 1939, vol. 2, ch. viii, "The Inevitable Reformation"). He is acknowledged to have had three or five children while he was a cardinal and was confidently accused by the leading nobles of Rome of unnatural vices. It is not important in this outline whether he had three children or five, as most acknowledge, but other aspects of his conduct must be noticed.

Ferdinand Gregorovius (1821–91), the great German theological historian who was never unduly prejudiced against popes, considered him "one of the most profane and most unecclesiastical figures that ever occupied the chair of St Peter", and said that there was "not a trace of Christian piety in him" (*Geschichte der Stadt Rom im Mittelalter* ["History of Rome in the Middle Ages"], 1859–72, trans. 1895–1902; quoted in *Crises in the History of the Papacy*, Dr Joseph McCabe, Putnam, 1916, ch. vi, "The Papacy in the Decline"). Christian historians writhe when they read Pope Julius's declaration expressing a papal belief that "Christians are the unstable, unlettered, superstitious masses" (Diderot's *Encyclopédie*, 1759), and we can clearly understand why he is dismissed as an embarrassment.

He was not disturbed by a delegation of monks who approached him expressing criticism of the clergy and the morals of his cardinals. He had heard the like before; people for centuries past had complained that popes, cardinals, bishops and priests lived immoral lives, and that popes loved sex, power and wealth more than being Vicars of Christ. The pope advised his secretary to take three mistresses at one time, "in memory of the Holy Trinity", and frankly admitted that he loved the title "Warrior of Rome" applied to him by the populace. He had tired of seeing Giulia Farnese playing Virgin Mary on the fresco; he wished to move into the four chambers once used by Pope Nicholas V (1447–55), and he wanted these rooms decorated with paintings congenial to his self-perceived heroic stature and aims.

In the summer of 1508, Julius summoned Raphael (1483–1529) to Rome, and around the same time commissioned Michelangelo (1474–1564) to create an array of works for the Vatican. Michelangelo subsequently carved a marble statue of him, and Julius II examined it with a puzzled expression, asking, "What is that under my arm?" "A Bible, your Holiness," replied Michelangelo. "What do I know of Bibles?" roared the Pope; "I am a warlord; give me a sword instead" (*Istoria d'Italia*, op. cit.; quoted in *A History of the Popes*, *ibid.*). His preference for a sword over a Bible had its effect in Rome and he became known as "Pope Dreadful" and "Pope Terror" (*ibid.*).

Upon his death on 21 February 1513, the populace breathed a sigh of relief. Unfortunately for them, one of the most disgraceful popes who ever sat in the papal chair then arrived in the Vatican, complete with his entourage of military advisers. He was the fat and amiable Giovanni de' Medici (1475–1521), a former commander of Pope Julius's papal army.

Pope Leo X and his infamous proclamation

On 11 March 1513, Giovanni was elected pope and assumed the name of Leo X. He had not yet been ordained a priest, but this defect was remedied on 15 March at a Vatican celebration for the anniversary of the death of Divine Julius (Julius Caesar) (*Encyclopaedia Britannica*, 3rd ed., Edinburgh, 1788–97, vol. ix).

It is almost enough to say that apologists who make pretence of defending Alexander VI and Julius II abandon Leo X to the critical wolves. He satisfied only those "who looked upon the Papal Court as a centre of amusement" (*Catholic Encyclopedia*, Pecci ed., 1897, iii, p. 227). The belief that Leo began to indulge in unnatural vice after he became pope was so seriously held in Rome that the two leading historians of his time recorded the information.

Guicciardini noted that the new pope accepted the pagan enjoyment of life and was "exceedingly devoted to the flesh, especially those pleasures which cannot, with decency, be mentioned" (*Istoria d'Italia*, 1832 ed., lib. xvi, ch. v, p. 254).

Paolo Cardinal Giovio (Jovius), biographer of Leo X, after speaking of the pope's "excessive luxury" and "regal licence", claimed to have "penetrated the secrets of the night", adding: "Nor was he free from the infamy that he seemed to have an improper love of some of his chamberlains, who were members of the noblest families of Italy" (*De Vita*

Leonis Decimi, Pontificis Maximus, Paolo Giovio, 1897 English ed., lib. iv, pp. 96-99).

Modern churchmen, however, praise Leo as "a person of moral life and sincerely religious" (*The Oxford Dictionary of the Christian Church*, ed. F. L. Cross, 1963, 2nd ed., p. 799; *The New International Dictionary of the Christian Church*, ed. J. D. Douglas, Zondervan, 1974, p. 591), adding that his pious qualities were responsible for his unanimous election by the cardinals. However, historical records reveal a different story:

"When Pope Julius died, Giovanni de' Medici (to become Leo X) was very ill of venereal disease at Florence and was carried to Rome in a litter. Later, an ulcer broke and the matter which ran from it exhaled such a stench that all the cells in the enclave, which were separated only by thin partitions, were poisoned by it. Upon this, the cardinals consulted with physicians of the enclave, to know what the matter was. They, being bribed earlier [by Giovanni de' Medici himself], said de' Medici could not live a month; which sentence occasioned his being chosen pope. Thus Giovanni de' Medici, then 38 years of age, was elected pope on false information and, as joy is the most sovereign of all remedies, he soon recovered his health, so that the old cardinals soon had reason to repent."

(*Encyclopaedia Britannica*, 3rd ed., op. cit., vol. ix, p. 788)

A hale and hearty Pope Leo X now filled the pontifical chair and

his first declaration was: "God has given me the papacy, now let me enjoy it" (*Encyclopaedia Britannica*, 13th ed., xix, pp. 926-7). That was an indication of what was to come from the man who fully developed the sale of "indulgences" into Christianity and established the framework for yet another military strike (the 18th crusade since 1096). The Church made the following apologetic summary about him:

"As an ecclesiastic, his deficiency in professional knowledge, his utter indifference to the restraint of his character, the reputed laxity of his principles, his proneness to dissimulation, his deeply rooted voluptuousness and his fondness for the society of musicians, jesters and buffoons rendered him contemptible, or something worse. By a course of lavish expenditure in the indulgence of his own taste for luxury and magnificence, by the part which he took in the troublous politics of the day ... Leo completely drained the papal treasury."

(*Annales Ecclesiastici*, Caesar Baronius, Antwerp, 1592–97, folio iii)

Leo gathered about him a company of gross men: flatterers, purveyors of indecent jokes and stories, and writers of obscene comedies which were often performed in the Vatican with

cardinals as actors. His chief friend was Cardinal Bimmienna, whose comedies were more obscene than any of ancient Athens or Rome and who was one of the most immoral men of his time. Leo had to eat temperately for he was morbidly fat, but his banquets were as costly as they were vulgar and the coarsest jesters and loosest courtesans sat with him and the cardinals. Since these things are not disputed, the Church does not deny the evidence of his vices. In public affairs he was the most notoriously dishonourable Vicar of Christ of the Renaissance period,

but it is not possible here to tell the extraordinary story of his alliances, wars and cynical treacheries. His nepotism was as corrupt as that of any pope, and when some of the cardinals conspired to kill him he had the flesh of their servants ripped off with red-hot pincers to extract information (*Crises in the History of the Papacy*, op. cit., ch. v, "The Popes React with Massacre and Inquisition").

The Church had scarcely a pope more dedicated to expensive pleasures or by whom money was so anxiously sought than Leo X. Pope Julius II had earlier bestowed indulgences on all who contributed towards building the basilica of St Peter in Vatican City, and Leo X rapidly expanded upon the doctrine. An indulgence was the sale of dispensations to secure mainly the rich from the threat of burning or the bogus release from sins such as murder, polygamy, sacrilege, perjury and witchcraft (*Indulgences: Their Origin, Nature and Development*, Quaracchi, 1897). For a sum of money, property or some penitential act, a pardon was conveyed, or a release from the pains of purgatory or guilt or the forgiveness of sins was granted to any person who bestowed wealth upon the Church. The year after his election, he sold the archbishopric of Mainz and two bishoprics to a rich, loose-living young noble, Albert of Brandenburg, for a huge sum and permitted him to recover his investment by the sordid traffic in indulgences which a few years later inflamed Martin Luther. The rich were not the only group he targeted:

The Church had scarcely a pope more dedicated to expensive pleasures or by whom money was so anxiously sought than Leo X.

"Here ... the love of money was the chief root of the evil; indulgences were employed by mercenary ecclesiastics as a means of pecuniary gain ... money was extracted from the simple-minded among the faithful by promising them perpetual happiness in this world and eternal glory in the next."

(*Catholic Encyclopedia*, vii, p. 787)

And that was some 500 years before the Vatican received its first banking licence. Lord Bryce (1838–1922), British jurist, author and statesman, summarised the mental and moral qualities of the priesthood that indulgences reflected. He said that its concept was "a blatant fraud against the naïve ... a portentous falsehood and the most unimpeachable evidence of the true thoughts and beliefs of the priesthood which framed it" (*The Holy Roman Empire*, Lord Bryce, 1864, ch. vi, p. 107; Latin text, extracts, p. 76).

To replenish the coffers and maintain his "luxuriant abundance", Leo expanded the sale of indulgences into a major source of Church revenue and developed a large body of priests to collect the payments. In forming his plans, he was assisted mainly by his relative Laurentius Pucci, whom he made Cardinal of Santi-quattro, and Johann Tetzel, a former military officer of the Teutonic Knights in Prussia. They appointed a series of retailers to keep pace with the disposal of goods given to pay for indulgences, and he and his team then set off on a mission through Italy to entice more sales. This picturesque overview is drawn from Diderot's *Encyclopédie*, and provides one reason why Pope Clement XIII (1758–69) ordered all volumes destroyed immediately after its publication in 1759 (*The Censoring of Diderot's 'Encyclopédie' and the Re-established Text*, D. H. Gordon and N. L. Torrey, Columbia University Press, New York, 1947):

"The indulgence-seekers passed through the country in gay carriages escorted by thirty horsemen, in great state and spending freely. The pontiff's Bull of Grace was borne in front on a purple velvet cushion, or sometimes on a cloth of gold. The chief vendor of indulgences followed with his team, supporting a large red wooden cross; and the whole procession moved in this manner amidst singing and the smoke of incense. As soon as the cross was elevated, and the Pope's arms suspended upon it, Tetzel ascended the pulpit, and with a bold tone began, in the presence of the crowd, to exalt the efficacy of indulgences. The pope was the last speaker and cried out, 'Bring money, bring money, bring money'. He uttered this cry with such a dreadful bellowing that one might have thought that some wild bull was rushing among the people and goring them with his horns."

(Diderot's *Encyclopédie*, 1759; expanded upon in *History of the*

Great Reformation of the 16th Century, J. H. Merle d'Aubigné, 1840, London ed. trans. Prof. S. L. MacGuire, 1942, vol. 2, p. 168)

Tetzel and the priests associated with him falsely represented their task and exaggerated the value of indulgences so as to lead people to believe that "as soon as they gave their money, they were certain of salvation and the deliverance of souls from purgatory" (Diderot's *Encyclopédie*).

So strong was the Protestant movement's opposition to the sale of indulgences that Pope Leo X issued a bull called *Exsurge Domine*, its purpose being to condemn Martin Luther's damaging assertions that "indulgences are frauds against the faithful and criminal offences against God" (*Encyclopaedia Britannica*, 3rd ed., op. cit., vol. ix, p. 788; also, James Moore's Dublin Edition, 1790–97, "Medici" entry). Around 45 years later, the 18-year-long Council of Trent pronounced "anathema against those who either declare indulgences to be useless or deny that the Church has the power to grant them" (*Catholic Encyclopedia*, vii, pp. 783–4).

To further finance his lifestyle, Leo borrowed prodigious amounts of money from bankers at 40 per cent interest. The booming brothels simply did not bring in enough tax money, even though there were 6,800 registered prostitutes servicing a male citizenry of fifty thousand. His gifts to relatives, friends, artists, writers and musicians, his lavish maintenance of an unprecedented court, the demands of the new St Peter's, the expense of the Urbino war and payments to Tetzel for preparation for the next crusade were all leading him to bankruptcy.

Leo's army was defeated when the French king Francis I (1494–1547) successfully invaded Italy in 1515, and the Vatican was forced to concede the loss of the control—and the revenue—of the entire French Church. In Rome, however, the bankers despoiled themselves. The Bini firm had lent Leo 200,000 ducats, the Gaddi 32,000, the Ricasoli 10,000; moreover, as Cardinal Pucci had lent him 150,000 and Cardinal Salviati 80,000, the cardinals would have first claim on anything salvaged. Leo died worse

than bankrupt (*Crises in the History of the Papacy*, op. cit., ch. vi). As security for his loans, he'd pledged the freehold of churches, monasteries, nunneries, the Villa Medici, Vatican silverware, tapestries, valuable manuscript collections, jewellery and the infamous Chair of Peter, built by King Charles the Bald in 875 and falsely displayed in the Vatican foyer until 1656 as a true relic upon which St Peter once sat.

To replenish his treasury, Leo had created 1,353 new and saleable offices, for which appointees paid a total of 889,000 ducats (US\$11,112,500 in 1955 values). He nominated 60



This sketch of Pope Leo X is attributed to Sebastiano del Piombo (1485–1547), a renowned illustrator and portraitist of the time. Leo was the son of Lorenzo de' Medici, the Magnificent, a notable patron of the arts and a great collector of Etruscan antiquities. Pope Leo's expansion of the doctrine of indulgences was the immediate cause of Martin Luther's uprising. The modern Church said of Leo X: "He was a weak and extravagant man who squandered the wealth of the Church" (*The Papacy*, George Weidenfeld and Nicolson Ltd, London, 1964, p. 119). (© The Collection of the Masters, Film Library, Milan, Italy)

additional chamberlains and 141 squires to the 2,000 persons who made up his ménage at the Vatican, and received from them a total of 202,000 ducats. In July 1517, he named 31 new cardinals, chosen "not of such as had the most merit, but of those that offered the most money for the honour and power". Cardinal Porizzetti, for example, paid 40,000 ducats and altogether Leo's appointees on this occasion brought in another half a million ducats for the treasury. Even blasé Italy was shocked, and the story of the pope's financial transactions made Germans share in the anger of Luther's October 1517 revolt. Some cardinals received an income from the Church of 40,000 ducats a year and lived in stately palaces manned by as many as 300 servants and adorned with every art and luxury known to the time. All in all, Leo spent 4,500,000 ducats during his pontificate (US\$56,250,000 in 1955 values) and died owing 400,000 more (*A History of the Popes*, op. cit., vol. 2). A favourite satire that developed around him was called the "Gospel according to Marks and Silver", which said:

"In those days, Pope Leo said to the clergy: 'When Jesus the Son of Man shall come to the seat of our Majesty, say first of all, 'Friend, wherefore art Thou come hither? And if He gives you naught in silver or gold, cast Him forth into outer darkness.'"

(*A History of the Popes*, Dr Joseph McCabe, ibid., vol. 2, chapter on "The Age of Power")

It was Pope Leo X who made the most infamous and damaging statement about Christianity in the history of the Church. His declaration revealed to the world papal knowledge of the Vatican's false presentation of Jesus Christ and unashamedly exposed the puerile nature of the Christian religion. At a lavish Good Friday banquet in the Vatican in 1514, and in the company of "seven intimates" (*Annales Ecclesiastici*, Caesar Baronius, Folio Antwerp, 1597, tome 14), Leo made an amazing announcement that the Church has since tried hard to invalidate. Raising a chalice of wine into the air, Pope Leo toasted: "How well we know what a profitable superstition this fable of Christ has been for us and our predecessors."

The pope's pronouncement is recorded in the diaries and records of both Pietro Cardinal Bembo (*Letters and Comments on Pope Leo X*, 1842 reprint) and Paolo Cardinal Giovio (*De Vita Leonis Decimi...*, op. cit.), two associates who were witnesses to it.

Caesar (Cardinal) Baronius (1538–1607) was Vatican librarian for seven years and wrote a 12-volume history of the Church, known as *Annales Ecclesiastici*. He was the Church's most outstanding historian (*Catholic Encyclopedia*, New Edition, 1976, ii, p. 105) and his records provide vital inside information for anybody studying the rich depth of falsification in Christianity. Cardinal Baronius, who turned down two offers to become pope in 1605, added the following comments about Pope Leo's declaration:

"The Pontiff has been accused of atheism, for he denied God and called Christ, in front of cardinals Pietro Bembo, Jovius and Iacopo Sadoletto and other intimates, 'a fable' ... it must be corrected".

(*Annales Ecclesiastici*, op. cit., tomes viii and xi)

In an early edition of the *Catholic Encyclopedia* (Pecci ed., iii, pp. 312-314, passim), the Church devoted two-and-half pages in an

attempt to nullify the most destructive statement ever made by the head of Christianity. It based the essence of its argument on the assumption that what the pope meant by "profitable" was "gainful", and "fable" was intended to mean "tradition". Hence, confused Catholic theologians argued that what the pope really meant was, "How well Christians have gained from this wonderful tradition of Christ". But that isn't what he said.

It is from Christianity's own records that Pope Leo's statement became known to the world. In his diaries, Cardinal Bembo, the Pope's secretary for seven years, added that Leo:

"...was known to disbelieve Christianity itself. He advanced contrary to the faith and that in condemning the Gospel, therefore he must be a heretic; he was guilty of sodomy with his chamberlains; was addicted to pleasure, luxury, idleness, ambition, unchastity and sensuality; and spent his whole days in the company of musicians and buffoons. His Infallibility's drunkenness was proverbial, he practised incontinency as well as inebriation, and the effects of his crimes shattered the people's constitution."

(*Letters and Comments on Pope Leo X*, ibid.)

On behalf of the Church, Cardinal Baronius officially defended Pope Leo's declaration, saying it was "an invention of his corroded mind" (*Annales Ecclesiastici*, op. cit., tome iv), but in applauding the pope's tyrannical conduct supported the essence of his testimony on the grounds of the infallibility of the Church of Rome:

"Of his wicked miscarriages, we, having had before a careful deliberation with our brethren and the Holy Council, and many others, and although he was unworthy to hold the place of St Peter on Earth, Pope Leo the Great [440–461] originally determined that the dignity of Peter suffers no diminution even in an unworthy successor [see *Catholic Encyclopedia*, i, pp. 289, 294, passim].

In regard to the keys, as Vicar of Christ he rendered himself to put forth this knowledge truly; and all do assent to it, so that none dissent who does not fall from the Church; the infamy of his testimonial and conduct is readily pardoned and forgotten."

(*Annales Ecclesiastici*, ibid.)

Later, John Bale (1495–1563) seized upon Pope Leo's confession and the subsequent Vatican admission that the pope had spoken the truth about the "fable of Christ" and "put forward this knowledge truly" (*Annales Ecclesiastici*, ibid.). Bale was an Englishman who had earlier joined the Carmelites but abandoned the order after the Inquisition slaughtered his family (*Of the Five Plagues of the Church* [originally titled *The Five Wounds of the Church*], Count Antonio Rosmini [Catholic priest and papal adviser], 1848, English trans. by Prof. David L. Wilhelm, Russell Square Publishing, London, 1889). He became a playwright and in 1538 developed lampooning pantomimes to mock the pretended godliness of the Catholic Church and "parodied its rites and customs on stage" (*The Complete Plays of John Bale*, ed. Peter Happé, Boydell & Brewer, Cambridge, 1985). After the public disclosure of the hollow nature of Christianity, "people were rejoicing that the papacy and the Church had come to an end" (*Of the Five Plagues of the Church*, op. cit.), but later Christian historians acrimoniously referred to the popular theatrical

Raising a chalice of wine into the air, Pope Leo toasted: "How well we know what a profitable superstition this fable of Christ has been for us and our predecessors."

production as "that abominable satire", dishonestly claiming that it was the origin of Pope Leo's frank admission (*De Antiqua Ecclesiae Disciplina*, Bishop Louis Dupin [Catholic historian], Paris folio, 1686).

Pope Leo's successors and the sacking of Rome

Catholic apologists say that a "really religious pope" succeeded Leo X, but they do not freely say why or how. From what information we have about him, it seems that he was ridiculed by the people of Rome and lasted a little over a year. The Conclave that elected him, held at a time when half of Germany was in Protestant revolt, is described by Catholic professor F. H. Kraus in *The Cambridge Modern History* as "a spectacle of the most disgraceful party struggles ever seen in the papacy" (1902 ed., "Conclaves" entry). The conflicts of greed reached a deadlock and Adriaan Florenszoon Boeyens (1459–1523), a Dutchman from Utrecht who could not speak the Italian language, was subsequently elected pope *in absentia*. He later entered Rome as Pope Adrian VI (1522–23), promising reform in the Church and saying, "We, prelates and clergy, have gone astray from the right path, and for a long time there is none that has done good, no, no one" (*Secrets of the Christian Fathers*, Bishop J. W. Sergerus, 1685, 1897 reprint, p. 227).

Since it was standard procedure for Romans to drag statues of a pope through the mud after the pope's death, the new pope issued a bull declaring the practice illegal. After looting his wine cellar in response, the Roman populace laughed him out of existence. He died on 14 September 1523, and the Romans gave vent to their hatred for the foreigner in a pasquinade "in a language that had not been heard since the days of Bernard of Clairvaux" (d. 1153) (*The Papacy*, George Weidenfeld & Nicolson Ltd, London, 1954, op. cit., pp. 137-139). The later Church frankly conceded that Pope Adrian VI "was hated by all and loved by none", adding that "however regarded, the pontificate of the last non-Italian pope was only an episode" (*ibid.*).

The next Conclave took 20 days and the cardinals were in such a hurry to receive another round of bribes that they strutted to the Sistine Chapel dressed in the garb of fashionable cavaliers, with plumed hats, gay vests, mantles, silver spurs and flowing robes. Giulio de' Medici (1478–1534), a bastard child of the great Florentine family, made them the highest bid and he became Pope Clement VII (1523–34). Under his papacy, Rome fell in 1527.

It is an extraordinary story, one which space prevents our giving a full account of, and is yet another little-known episode in the bizarre history of the Christian Church. Pope Clement was as treacherous and dishonourable in his public conduct as his cousin, Pope Leo X, and drew upon himself the contempt as well as hatred of all who had dealings with him. His excesses shocked Europe, and it was his crooked ways and his cowardly subterfuges which led to the taking and pillaging of Rome by Christian troops of the Spanish king Charles V (1500–58; later Holy Roman Emperor, 1530–58). Stung by Clement's perfidy, the emperor launched his cardinal-led army upon the city on 6 May 1527, and so savage was the attack that the population of Rome was reduced from 98,000 to



This engraving depicts Pope Clement VII with plumed and armed cardinals assisted by curates and attempting to escape during the "disastrous humiliation of the sack of Rome" (*The Papacy*, George Weidenfeld & Nicolson Ltd, op. cit., pp. 137-139, passim). In the background are scenes of fighting and looting. The pope was captured and imprisoned in the Castel Sant' Angelo, the circular building shown in the top left area of the engraving. (© Film Library of Roman Antiquities, Milan, Italy)

32,000 in eight days. Included in the carnage were the deaths of 147 Swiss Guardsmen in the Vatican. Again, papal nepotism and the lust for territory had brought ruin upon the Romans: this time, arguably the worst rape of a great city in history. Rome was laid waste, its churches profaned, its treasures plundered, its libraries pillaged, people murdered, and nuns raped and tortured to death by what the Church called "a rabble of miscreants" (*Catholic Encyclopedia*, Pecci ed., ii. p. 166).

Catholic writers put against this the contemporary activity of various Church reformers in parts of Italy and the refusal of Clement to grant King Henry VIII a divorce from Catherine of Aragon. But, said Cardinal Cajetan, "it was a just judgment of the people ... the papacy aimed henceforth at becoming an 'ideal government' under a spiritual and converted clergy" (*Catholic Encyclopedia*, xii, pp. 767-769). This was decades after the boasted "reformation in Head and members" of the Church assured by Pope Alexander VI (*Catholic Encyclopedia* xiv, pp. 32-33). So here the Augean stables were at length cleansed; the papacy, for the seventh time in its own editions of the *Catholic Encyclopedia*, is recorded as having "sunk to its lowest ebb" but now promised to become an "ideal government", and the Vatican confessed that "the demand for reform in the Church was, in fact, not unjustified" (*Catholic Encyclopedia*, xiv, pp. 264-265).

The fraudulent *Book of the Popes*

What we may today call the "foreign policy" of the papacy during our 631-year overview brought an incalculable volume of savage warfare and bloodshed upon Italy and Europe. The papacy can only be relieved of the charge of savagery on the ground that popes were determined at any cost to have an earthly kingdom and its revenues. In pursuance of that purpose, the papal office has demonstrated a record of centuries of unparalleled corruption and criminality, and to hide this fact the Church provided itself with concocted books about its popes that are "wise and salutary

fictions" ("Contradictions in the Catholic Encyclopedias: A Record of Conflicts in Accredited Church Expositions", Major Joseph Wheless [Judge Advocate, USA], *American Bar Association Journal*, 1930 [vol. no. unknown]).

Few readers know how freely it is acknowledged that the popular Catholic versions of the history of the popes are composed of forgeries and are used today with great profit in Christian circles. The Vatican flooded the world with false information about its popes, the most blatant examples being the famous, or infamous, *Book of the Popes (Liber Pontificalis)* and the *Liberian Catalogue*, both notorious for their fictitious accounts of early and mythical "successors of St Peter" (*Catholic Encyclopedia*, ix, pp. 224-225; also Pecci ed., ii, p. 371). These books provide a collection of glowing diatribes describing the pontificates of docile and devout popes, many of whom never existed, and has about it the spurious air of ingenuousness that so often amuses the reader.

Book of the Popes is an official papal work, written and kept in the Vatican, and its introduction claims to "preserve for posterity the holy lives and wonderful doings of the heads of the Church Universal" (*Catholic Encyclopedia*, ix, p. 224). However, if patient readers care to glance at the synopsis of each pope as given, they will see that the Church knows nothing whatever about the pontiffs of the first six or seven centuries, and not one of them is a clearly defined figure of history. The summations of popes are decorated with the official halo of sanctity, but the Bollandist priest, Father Delehaye, a leading Catholic investigator of this kind of literature, said "there is no evidence whatever that the papal genealogies are based upon earlier sources" (*The Legends of the Saints*, Father Delehaye, 1907 English ed., quoted and expanded upon in *The Popes and Their Church*, Dr Joseph McCabe, C. A. Watts & Co., London, 2nd ed. revised, 1924, p. 13).

Simply put, there were no Christian popes for many centuries; they were the Mithraic fathers of Rome, and "the chief of the [Mithraic] fathers, a sort of pope, who always lived at Rome, was called Pater Patrum" (*Catholic Encyclopedia*, x, pp. 402-404). Some even called themselves after the Zoroastrian god, an excellent example being Pope Hormisdas (514-523), whose name is Persian for Ahura Mazda. Of him, the Church said "his name presents an interesting problem" and added this curious comment: "St Hormisdas owes his canonisation to an unofficial tradition" (*The Popes: A Concise Biographical History*, Burns & Oates, Publishers to the Holy See, London, 1964, p. 81). His "considerable numbers of recalcitrant bishops" were devotees of Ahura Mazda, supporting Mithraic doctrine (ibid.).

We need to understand that many ancient popes, who in modern times have been presented as dignified gentlemen isolated from every taint of mundane interest, never existed. The Church has admitted that its papal biographies (*Book of the Popes* and the *Liberian Catalogue*) are not candid digests of pious men of considerable erudition but are untruthful fabrications: "Historical criticism has for a long time dealt with this ancient text in an exhaustive way ... especially in recent decades" (i.e., late 1800s-early 1900s) (*Catholic Encyclopedia*, v, pp. 773-780; also ix, pp. 224-225, passim) and established it "historically untenable" (ibid., passim).

The Church confessed that the *Book of the Popes* is a phony record, retrospectively compiled in the deceptive manner of most

clerical writings. This admission is found in the *Catholic Encyclopedia*:

"In most of its manuscript copies there is found at the beginning a spurious correspondence between Pope Damasus I [366-383] and St Jerome [c. 347-420]. These letters were considered genuine in the Middle Ages. Duchesne [papal historian, 1584-1640] has proved exhaustively and convincingly that the first series of biographies, from St Peter to Felix III [IV, d. 530], was compiled at the latest under Felix's successor Boniface II [530-532]. The compilers of the *Liber Pontificalis* utilized also some historical writings, a number of apocryphal fragments [e.g., the Pseudo-Clementine Recognitions], the *Constitutum Sylvestri*, the spurious Acts of the alleged 'Synod of the 275 bishops under Sylvester', etc., and the fifth-century *Roman Acts of Martyrs*. Finally, the compilers distributed arbitrarily along their list of popes a number of papal decrees taken from unauthentic sources; they likewise attributed to earlier popes liturgical and disciplinary regulations of the sixth century. The authors were Roman ecclesiastics, and some were attached to the Roman Court ... in the *Liber Pontificalis* it is recorded that popes issued decrees that were lost, or mislaid, or perhaps never existed at all. Later popes seized

the opportunity to supply a false pontifical letter suitable for the occasion, attributing it to the pope whose name was mentioned in the *Liber Pontificalis*."

(*Catholic Encyclopedia*, v, pp. 773-780, and ix, pp. 224-225, passim; also regarding the fraudulent *Book of the Popes*, see *Annales Ecclesiastici*, op. cit., folio xi, and *De Antiqua Ecclesiae Disciplina*, op. cit.)

The falsity of the *Book of the Popes* is thereby shown and the intentional presentation of its fabricated contents is revealed.

English theologian and deist Anthony Collins (1676-1729), in his celebrated *Discourse of Free-thinking* (1713), discussed at length the extent of the superficial literature that circulates in Christianity. He said (p. 96): "In short, these frauds are very common in all books which are published by priests or priestly men. For it is certain they plead the authority of earlier writings that were themselves fake, forged, mangled or corrupted, with more reasons than any to support their articles of faith with sinister ingenuity."

The fervour with which the modern-day work of suppression, misrepresentation, falsification and concealment of the real disposition of the popes, whose character no non-Church historian respects, makes the guilt of the successors of the Church as great as that of those who established the system.

During the 16th and 17th centuries, the Vatican added to its cover-up and employed unnamed Mannerist artists to create pious portraits of popes extending back centuries. After the ruling on the need for standardised biblical images by the Council of Trent, Charles Cardinal Borromeo, at one time the manservant to Pope Sixtus V (1585-90), moved a motion during the First Provincial Council (1565) forbidding the painting of Christian personages without official approval from the Church. The motion was carried, and from that time on artists needed written approval from the Artist Censor to the Holy Office on matters pertaining to the creation of Christian iconography. Bishops were appointed to instruct artists on the standardised presentation of particularly Gospel subjects and they were not to proceed without Church

Simply put, there were no Christian popes for many centuries; they were the Mithraic fathers of Rome ...

permission. Thus, by necessity, painters of popes purposely and incessantly applied placid characteristics to the physical appearance of popes who were, in reality, "men of dubious dispositions" (*Catholic Encyclopedia*, Pecci ed., i, p. 326). Those paintings appear in modern books and are only creations from the artists' minds, for previous to the 16th century "no authentic portraits of the popes exist" (*The Popes: A Concise Biographical History*, op. cit., p. 16).

Conclusion

Thus, in our search for Christianity's "sweetness and light", we have, as it were, scratched only the surface of the history of the papacy as recorded by the Church itself. This article is but a thumbnail sketch of a few popes from a total of 264 listed in *The Popes: A Concise Biographical History* (op. cit.), a sanitised presentation of their lives which subtly excludes detailed discussion on centuries of double, triple and quadruple popes. Documenting lurid features emanating from a long line of popes, carrying names like Adrian, Leo, Clement, Benedict, Boniface, Gregory, Innocent, Celestine, Pius (pious!), Alexander, Eugenius (you genius!), Urban and John, falls outside the limited scope of this critique.

It is not possible here to elaborate on the interminable political wars and throat-cuttings joyously mooted by centuries of papal instructions, nor on the infinite blood-lust and greed of the execrated Holy Inquisition and of the never-ending successions of murderous popes, armed Curias and blood-sodden prelates. Nor is it possible to expand upon the story of the pope who called himself Lucifer, and another who used funds from the Vatican's treasure chamber to develop the finest horse stud in Europe.

Then there is the little-known story of Alberic III, Count of Tusculum, who purchased the papacy for his 12-year-old son Theophylactus (Benedict IX; see part one) and the insolence of the modern Church in describing him as:

"...one of the more youthful popes, unanimously elected by a special commission to the cheers of the delighted cardinals, who were all legitimately appointed and formal cognizance was taken. The cardinal-camerlengo made the announcement of a pope-elect about eight o'clock on the morning of the first day, and then the cardinals advanced and paid him his first obedience or homage (*adoratio*). After the Conclave, certain honorary distinctions and pecuniary emoluments were awarded to the conclaveists."

(*Catholic Encyclopedia*, Pecci ed., iii, p. 255)

We also leave for another time the account of the Conclave which made a pope of a cardinal who had earlier horrified Europe by ordering the massacre of every man, woman and child in the Italian city of Cesena in 1379. The savage thoughts behind this

dreadful incident reveal the true nature and motives of the men in charge of Christianity, and this story is a cold challenge to Church ethics and pretensions. From those and similar actions, it is apparent that the papacy viewed the faith of its followers only as a novel kind of folly.

The Church claims that the choice of every pope was guided by the Holy Spirit, aided indirectly but effectively by bribery, armies, warships and weaponry. The power of the papacy rested upon the "right of the sword" (Bull *Unam Sanctam*, Boniface VIII, 18 November 1302; overview in *Catholic Encyclopedia*, xv, p. 126), which the Roman Catholic Church emphatically claims today in its esoteric Code of Canon Law. It is revealing to read New Testament narratives in which Jesus Christ defined his mission: "I have come not to bring peace, but a sword" (Matt. 10:34) and instructed his followers to arm themselves with weapons (Luke 22:36). The history of the papacy reveals that the popes took Jesus' advice, for they imputed to Christ the horrid justification of the sword and the infernal principles of more than a thousand years of unrestrained criminal activity. The popes, executors of "a depraved and excessive superstition" (*Meditations*, Roman Emperor Marcus Aurelius, c. 180) and whom the modern Church presents as the centre of love and peace, were in reality, more often than not, debauched military strategists indifferent to a Christian moral code.

Whatever one may think of the determination of popes to hold or expand their temporal power, one cannot entertain any defence of their nepotism or the corrupt nature of the office itself. Roberto Francesco Romulus Cardinal Bellarmino (1542–1621) conceded these truths by admitting that "the papacy almost eliminated Christianity" and, later, learned French encyclopaedist Denis Diderot (1713–83) added in his *Encyclopédie*:

"From its inception in a mean and squalid settlement outside the walls of Rome, between the ragged buildings that fringed the farther bank of the Tiber and extended to the edges of the marshy Ager Vaticanus [Vatican Field], the Church of

the popes was cradled ... it developed into a *chronique scandaleuse* [a chronicle of scandals] and its survival leaves one to pass an opinion on the peculiar mind of human nature that allows a system injurious to good morals to exist. Such an association could at most be considered as cause for disbelief. To the students of genuine history, the facts are so notorious that the alliance of the papal hierarchy with brutality and treachery, and the wilful neglect of reform, is confronted by the serious prospect of the spiritual ruin of the Catholic faith."

In our current lenient age, some Church writers have attempted



This is a detail from a gate leading to the Corsini Chapel in the Lateran Basilica in Rome. Pope Clement XII (1730–40) ordered the construction of the chapel and named it after his family (he was Lorenzo Corsini, b. 1652). In his brief, *Verbo Dei*, he praised the pontificate of the 12-year-old son of the Count of Tusculum and honoured the youthful pope, Benedict IX, on the gate (*The Popes and Their Church*, Joseph McCabe, Waits & Co., London, 1933). (© Film Library of Roman Antiquities, Milan, Italy)

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CLOSE ENCOUNTERS WITH "LITTLEFOOT", THE *JUNJUDEE*

Many Australian Aboriginal clans have long believed in the existence of small hairy hominids, and since the colonial era many non-indigenous people have also reported them as far north as Cape York, as far south as Gippsland in Victoria and in remote outback regions.

by Tony Healy and
Paul Cropper
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<http://www.yowiefile.com>

Terrified teens tell of "little hairy men"

For a couple of weeks in early 1979, the citizens of Charters Towers were in an uproar over reports of "little hairy ape-men" supposedly attacking teenagers on a hill overlooking the old north Queensland mining town. The encounters had apparently been occurring since about August or September 1978, but it wasn't until six months later that the story hit the headlines in the local and national news.¹ It had all the makings of a good schlock-horror film.

One night in late February, the sedate routine at Charters Towers Police Station was shattered when a breathless young man burst through the door to report that one of his mates had gone missing in strange circumstances on Towers Hill, a popular lovers' rendezvous on the outskirts of town. According to police, 19-year-old apprentice baker Michael Mangan was ashen-faced as he poured out the story. Earlier that night, as on other occasions, he had persuaded a group of friends to join him in searching the rugged hillside for mysterious "little hairy men", but somehow one of the boys had become lost. They could clearly hear his terrified screams but, try as they might, could not locate him in the inky darkness.

As the whole area was riddled with dangerous old mine shafts, the police responded immediately and within minutes were at the base of the hill. No sooner had they begun the ascent, however, than they met the missing youth running frantically down the road in the opposite direction. Safely back at the station, the badly shaken lad told of being attacked by one of the hairy little men. He said he had fought it off with a rock. During the interview, the officer in charge, Sergeant Gill Engler, noticed blood on the uninjured boy's leg and it was evidently not his own.

When the gob-smacked coppers quizzed Michael Mangan again, he supported his mate's story, saying the incident was the culmination of many sightings and searches for the little ape-men. It had all started one night about six months earlier, when he was parked on the hill with his girlfriend: "I looked across to the passenger side and saw a black, hairy face at the window. It was awful. The face was small and drawn back like that of an ape. We both screamed because we got such a shock. I started the car to get out of the place and this thing raised his hand and smashed the passenger side window." The creature was about one metre tall and covered in black hair.

When the Charters Towers story first came our way, we didn't quite know what to make of it. By the late 1970s we had collected quite a few other reports of hairy ape-men in Australia, but those creatures commonly known as yowies were apparently rather Sasquatch-like and had an average height, based upon eyewitness estimates, of well over seven feet. If the three-foot-tall Towers Hill creatures were yowies, they must surely have been extremely young ones—mere ankle-biters. If that was the case, how was it that throughout their months of searching, during which they'd seen several little ones, Michael and his friends had never encountered a mama or papa yowie?

"Littlefoot" in Aboriginal lore

The "Littlefoot" story seemed to be a one-off, and initially we filed it in the "too hard" basket. It wasn't long before we had to retrieve it, however, because soon afterwards we began to hear bits and pieces of Aboriginal lore that seemed to refer to a widespread belief in the existence of similar little hairy men in other parts of Australia.

The little creatures were known by many names, including *dinderi*, *kuritjah*, *magulid*, *net-net*, *nimminge*, *nimbunj*, *njmbin*, *waaki*, *wadagadarn*, *waligada*, *waladhegahra*, *winambuu* and several variations on the word *junjudee*.

Some northern New South Wales Aborigines commonly referred to the little creatures as *brown jacks*.

According to a 1977 edition of the *Richmond River Historical Society Bulletin*, the hippie Mecca of Nimbin, NSW, was named after the small hairy creatures that Aborigines said lived in the area. They were described as being "sort of hobbits". When he was a child, Bundjalung elder Gerry Bostock was told that the name of a neighbouring town, Mullumbimby, also means "little hairy man".² Monkeys, of course, have supposedly never existed in Australia; they got no closer than the Indonesian island of Bali, about 1,200 kilometres (750 miles) away to the northwest. The nearest great apes, orang-utans, are in Sumatra, even further away.

Although it was some years before we interviewed people who claimed personal encounters with junjudees, we soon met Aborigines who told of sightings by relatives or friends. Disconcertingly, however, our informants didn't appear to be speaking of an entirely uncouth race of wild little monkey-men. They sometimes attributed to them strange behaviours and semi-magical qualities that are reminiscent of the fairy lore of Britain and other places.

The Ualarai people of central northern NSW, for instance, believe that the *winembu* will sometimes persuade a human being to follow them home. The person's spirit is then somehow stolen, but, when the victim returns to human society, he or she finds it impossible to describe the ordeal.

Among the clans of the lower Clarence Valley in northern NSW, the little hairy men are known as *nimminge*. In 1991 a Bundjalung elder, Ron Heron, recalled a story that has echoes of the European fairy tale "Three Billy-Goats Gruff":

"[When] I was 16 or 17, Frank Randall, a friend of my father, told me of a little hairy man living at

Ashby. Some nights, when Frank was walking home from the ferry...he would come to a small wooden bridge where there would be a little hairy man waiting for him. Frank would have to wrestle with this man before he could go across the bridge. He said this would happen as many as 10 times each year. Since then...I have heard similar stories from other older people."³

Well, this was very confusing, not to mention inconvenient. We were just beginning to assemble enough data to make a reasonable case for the existence of the big hairy yowies, but now we had to deal with distracting tales of hairy little people—and magical hairy little people at that! For some time we tried to accommodate the Aboriginal reports, which at that stage were all second or third hand, by filing them as native folklore. The Charters Towers reports we consigned again to the limbo of the "too hard" basket.

That was the way things stood in the early 1990s when we were working on our first book, *Out of the Shadows: Mystery Animals of Australia*. As a result, although we wrote a lengthy chapter about the "Bigfoot"-like yowie, we dismissed the matter of the tiny junjudee in just a few paragraphs. Since then, however, we have collected a lot more Aboriginal junjudee lore as well as eyewitness reports from both Aborigines and non-Aborigines. We would like to be able to say that, armed with this new information, we now know exactly what the little hairy men are and exactly how they relate to the yowie phenomenon. Frankly though, we are almost as baffled by the junjudees today as we were when we first heard of them 27 years ago.

Over the years we have, of course, toyed with various theories, but the pesky little creatures, like the elves and fairies of Europe, have always managed to avoid being pinned down. At times, like many of our colleagues, we have favoured what seems to be the most logical explanation: that the junjudees are simply juvenile yowies. That assumption, however, flies in the face of the apparently unanimous belief among knowledgeable Aborigines that such is not the case.

The magical aspects of junjudee lore have made us, at times, strongly inclined to dismiss the whole phenomenon as native myth. Whenever we drifted too far in that direction, however, we were dragged back to "reality" by eyewitness reports by both Aboriginal and white Australians, who, like Michael Mangan, seemed to be describing encounters with very solid, very real little creatures. Perhaps, at this point, it would be best for us to present various representative items from our junjudee file, so that readers can attempt to make up their own minds.

"A handsome little fellow"

In 1977, 86-year-old Henry Methven told Patricia Riggs of the *Macleay Argus*⁴ about a little creature he'd seen while hunting near Jervis Bay, southern New South Wales, in about 1901. Having become separated from his companions, the then 10-year-old Henry returned alone to a temporary camp.

"I was stripping off my shirt and when I looked around, the Hairy Man was standing right behind me. He was only about...two or three foot...a handsome little fellow ... he had a long straight nose and he was the colour of a real full-blood...dark and coppery ... everything about the little bloke...seemed to be human."

The creature was strongly built with a short neck. There was hair on the

back of its hands. On its head, the hair was about two or three inches long and "a bit smoky-looking, a bit grey". Its body hair was different, "darkish brown". That was as much detail as the startled boy could absorb. "I took off into the bush and got stung with stinging nettles," he said. "The next day we tracked him. He had feet like a human's...five toes."

On a nearby ridge, they found evidence that the little creature lived with others in a small cave and dined on shellfish. Henry said all the tribal elders knew about the creatures. They called them *wallathegah*. The creatures were said to be harmless and to have a great fondness for honey. Earlier that day, Henry's party had harvested honey from a native beehive and Henry had carried it back to camp. The elders said, "He could smell the honey and he followed you along."

A light-fingered Lilliputian

Folklorist Aldo Massola, author of *Bunjil's Cave*,⁵ heard similar stories of little hairy men, known locally as *net-nets*, from Aborigines at Lake Condah, Victoria, in the 1950s and early 1960s. As well as being hairy and very small, net-nets were said to have claws instead of fingernails and toenails. They were mischievous but harmless, and were believed to live in natural hollows among jumbled heaps of boulders. Andrew Arden told of encountering one in about 1932, while hunting with his wife in the Stony Rises near the lake. He had just shot a rabbit when "one of the little people" suddenly appeared, seized the carcass and ran

According to a 1977 edition of the *Richmond River Historical Society Bulletin*, the hippie Mecca of Nimbin, NSW, was named after the small hairy creatures that Aborigines said lived in the area.

away over the rocks. Mr Arden gave chase but soon lost sight of the light-fingered Lilliputian.

Remarkable as they most certainly are, Mr Methven's and Mr Arden's stories seem straightforward reports of encounters with some sort of apparently real, if extremely rare, animal or hominid. However, many—if not most—junjudee stories are (to the "Western" mind, at least) not quite so down to Earth.

Hairy creatures with occult knowledge

Frank Povah, a researcher, lecturer and writer of mixed Aboriginal and European ancestry, collected many stories about the little hairy men and included them in his fascinating book *You Kids, Count Your Shadows*.⁶ Most of the tales were told by Wiradjuri people, whose country covers about 87,000 square kilometres of central New South Wales. Several of the stories contain rather magical details, but while Frank sees the little hairy men as "indigenous fairies ... [the] Aboriginal equivalent...of white Australian folklore", he is open to the possibility that they also have some kind of objective reality. His informants provided fairly uniform descriptions of the little beings, which they knew by various names, commonly *yuurii*:

"A little man about so high—a metre, say. Small, real small... Covered in hair with long nails and big teeth... *Yuuriwinaa* means hairy woman...about three feet [in height], a bit more. Real hairy...teeth like a greyhound, big fangs..."

A minority of informants said that males sometimes sported long beards, but foul body odour was often mentioned: "real stinkin'", "real smelly". They lived in mountain caves, in holes in the ground and in the gidji scrub. Like Henry Methven, the Wiradjuri said the little men had feet that were quite human-like; but whereas he had seen five-toed tracks, they insisted the creatures had only four. Testimony about the creatures' behaviour also contained minor anomalies. They were said to be quite harmless, but, paradoxically, most people seemed to be afraid of them. Some parents used tales of the little men to scare children away from dangerous locations, but others "always used to say to the kids, 'Don't be frightened of them'".

One remarkable attribute seemed to place the little creatures firmly in the realm of fairy lore: *they could speak*, although they would normally converse only with old, initiated, "clever men" in "the lingo" (the Wiradjuri language). At least some Wiradjuri believed the "little fellers" possessed considerable occult knowledge, "same as the high initiated people". Aborigines in some other parts of the country have similar beliefs.

In 2002, an Aboriginal elder from the NSW south coast told naturalist Gary Opit of tribal lore that emphasised the junjudees' supernatural nature and also their connection with children. He said that an ancient initiation ceremony involved children smearing their bodies with blood and ochre and then bathing in waterholes near Mumbulla Mountain. His people believed the little hairy men were then spontaneously created out of the blood and ochre as it flowed down the Murrumbidgee River. The elder had seen the little creatures himself.

A magical spirit

Henry Buchanan, a Kumbaingeri man of Nambucca Heads, NSW, said the junjudee has a material form—at least sometimes—but is also a kind of magical elf/benevolent spirit. In 1976 he told *Macleay Argus* correspondent Sue Horton:⁷ "The hairy man is just a little mite, like a little monk [monkey]. If you catch them, they are as good as the Lord. They do things for you." He claimed that they emerged from holes at Middle Head and that he had seen one there, but had been unable to cry out. "I couldn't make a sound," he said. On being asked about the feasibility of trapping one, Mr Buchanan said: "You can't catch him. No... He's a spirit, but he's a live thing, too. As soon as you catch him, he goes into your blood and his spirit goes into you. He's with you all the time. Any people get sick...like might be dying, they...send for you...and you say, 'Listen, I want you to go to this place' and this [little] fellow knows where to go. He...fixes it up. They call him 'the little brown jack'."

After such a mind-bogglingly strange but apparently sincerely told story, it would not be surprising if many readers now feel that the junjudee phenomenon should be written off as a colourful, widespread, Aboriginal myth. But if it is only a myth, how do we account for the numerous sightings by non-Aborigines?

"It took off in a hell of a hurry..."

In mid-1997, while driving along the Mount Lindsay Highway in northern NSW, Mark Pope of Bexhill, NSW, encountered what may well have been a junjudee:⁸

"It was just on daybreak; I still had the headlights on. I was heading down to Tooloom, heading south. There's a State Forest there; it has massive white gums in it... I came around a corner...there was a combination of my headlights and enough [natural] light to see—just. There

was something on the other side of the road...this thing looked like it had just crossed the road before I'd got there. It was about to go into bushes on the other side, which was up a slight embankment. And it looked for all the world like it had heard me, stopped, looked over its shoulder, and was looking to see what I was doing.

"If I had to say it looked like anything, I'd say a chimpanzee. As to whether it was a chimp, I'd say no, but something in the same line; I can't quite say what... As much as I could tell, it was covered in hair. It was quite dark; dark brown or black. Its face...I can't remember it very clearly, except that it seemed fairly flat. It wasn't very big: about the height of a guidepost [about three feet or one metre]... When it decided to move, it took off in a hell of a hurry and used arms, legs and everything to claw its way up the bank—and then it was gone."

In early October 1979, as they were driving west on the Wide Bay Highway just before dusk, Mr and Mrs Roy Locke of Theodore, Queensland, saw a one-metre-tall hairy animal standing beside the road about 20 kilometres northeast of Murgon. Mrs Locke told the *South Burnett Times* that the creature had broad shoulders and stood looking at them as they drove past. The Cherbourg Aboriginal Reserve is only six kilometres south of Murgon. When told of the Lockes' experience, Les Stewart, chairman of Cherbourg's Aboriginal Council, said: "There is a

Testimony about the creatures' behaviour also contained minor anomalies. They were said to be quite harmless, but, paradoxically, most people seemed to be afraid of them.

small man called *junjurrie* who was seen here as recently as eight years ago. He was about a metre tall and used to play with the children in the old hospital. Several adults claimed to have seen him when they heard the children laughing at night."⁹

Guardians and spiritual secrets

In February 2000, after small, furry, bipedal animals were seen beside the Burnett River at Gayndah, 120 kilometres west of Hervey Bay, Queensland, a local Aboriginal man, Sam Hill, told journalists that the creatures were not feral bears, as assumed by non-Aboriginal witnesses, but the *jongari*.¹⁰ The little creatures, he said, had lived beside his people, the Waka Waka, from as far back as anyone could remember. In recent times, however, most of them had moved away because of drastic changes to their environment brought about by European settlement: "...when they blew up the mountain near here to build the railway...a lot of them ran out of the hills". The normally inoffensive little creatures could react violently to destruction of the natural environment. Sam said his grandfather had been attacked by one while ringbarking trees.

When we met Sam's father Rodney Hill a few weeks later, he made it clear that he disapproved of his son talking to the media.¹¹ His people, he explained, normally never mention the little hairy men to outsiders; their secret lore was one of the few things the Waka Waka had left. However, when he realised we were genuinely interested in the phenomenon and had travelled far to learn about it, he did share a few details, while emphasising that a great deal more must always remain secret.

The word *jongari* is not quite correct, he said. His people's term for the little people would be more correctly rendered as *jungurri*, although *junjudee* is an acceptable variation. The *jungurri* had always been guardians of his people and kept a particularly close protective eye on sick children. If, however, they are ridiculed or even talked about too loosely, they are liable to punish the talkative person or family members with illness. Then, only traditional rites—not Western medicine—can cure the afflicted. But now, he lamented, all the Waka Waka "clever men" had gone: the last of them had passed away with his father's generation. That was partly why the situation at Gayndah—with stories about the little people being bandied about, sometimes jocularly, in the media—worried him so much. If, as a result, sickness was visited on his people, there was no one left to cure them. The whole episode saddened him.

Researchers who believe the little creatures are flesh-and-blood animals explain away the supernatural aspects of Aboriginal *junjudee* lore. They point out that Aborigines don't ascribe such qualities only to the *junjudee* but see supernatural or spiritual qualities in every other animal in Australia—and in all the plants, streams, landforms and other aspects of creation. Furthermore, it is only natural that tribal people would attribute some magical powers to an animal as damnably elusive as the *junjudee*. Although we, too, would like to see it proved that the creatures are real, we think it foolish and disrespectful to ignore Aboriginal lore that is apparently centuries if not millennia old.

Tracks and attacks

While at present there may be up to two dozen fairly active yowie investigators in Australia, we know of only one person, Grahame Walsh, who has concentrated exclusively on the mystery of the tiny *junjudee* for any length of time. Dr Walsh, a former National Parks and Wildlife officer, a writer and a photographer, is one of Australia's greatest authorities on Aboriginal rock art. Carnarvon National Park, where he conducted most of his investigations, is situated about 350 kilometres northwest of Gayndah. It is famous not only for its rugged beauty, but also for its abundance of ancient Aboriginal rock art—the kind of art that Dr Walsh has presented so magnificently in his various books.

During his years at Carnarvon, Walsh heard many references to *junjudees* and at least saw apparent *junjudee* tracks, similar to those of a five-year-old child. He interviewed several eyewitnesses, all of whom described the creatures as being hair-covered, ape-like and about one metre tall. Most also mentioned the creatures' terrible smell. There were seasoned bushmen, he said, who would not camp in certain areas for fear of the little creatures. "There were a lot of reports [up to about the mid-1970s], but people don't get out on their properties [on horseback] the way they used to. Nowadays people go in a vehicle."¹²

One witness, timber man Graham Griggs, was kept awake by *junjudees* that leapt around on the edge of his campsite and repeatedly jumped between his tent and the fire, leaving many tracks and scaring him so much that he abandoned the site altogether. Another timber-getter, Leo Denton of Injune, found tiny tracks and heard cries "like chooks cackling". His wife Joy also saw fresh tracks "like a kid's bare feet" in remote bush locations.

Interestingly enough, another local person compared *junjudee* vocalisations to those of birds. Retired timber man Paddy O'Connor told journalist John Pinkney that he once encountered two of the little creatures while camped in the vicinity of Carnarvon Gorge. They gave off an

absolutely nauseating odour and were, he said, "pointing at my billycan. [They] seemed to be exchanging comments about it. I wasn't in much doubt they were using some type of language. It was a kind of chirping, but seemed to have a shape to it." Although it was just on dawn, and there wasn't enough light for him to discern the colour of their fur, Mr O'Connor noticed that the creatures' eyes, like those of yowies, seemed to shine: "their reddish eyes were very visible".¹³

Whatever *junjudees* may be, they are certainly widely distributed. Les Holland, of Tully in tropical far north Queensland, has collected some interesting eyewitness reports.¹⁴ Nathan Moilan, whose parents are Aboriginal and Indian, told Mr Holland that his father, a timber worker, often spoke of seeing little hairy men in the Kirrama Range behind Tully. The sightings supposedly occurred between 1990 and 1991, just before rainforest logging was halted in the area. Nathan's father said that one night, when he and his uncle were sharing a three-room hut in the mountains, a little hairy man attacked his uncle as he lay on his bed. Hearing desperate cries for help, Nathan's father rushed in and together he and his uncle wrestled with the very powerful little creature. Just

The normally inoffensive little creatures could react violently to destruction of the natural environment. Sam said his grandfather had been attacked by one while ringbarking trees.

as they began to overpower it, it broke free, jumped out the window and fled into the night.

Mr Moilan isn't the only person to report an attack by a hairy little man. We have in our files a similar story from much further south.¹⁵ In September 1968, while working at Kookaburra, an isolated saw-milling settlement on the Carrai Plateau, about 50 kilometres west of Kempsey, NSW, George Gray slept in a small hut surrounded by dense scrub. One dark night, between midnight and 1.00 am, he was woken by the sensation of something pressing down on his chest and realised he was being attacked by a hairy creature. He said that although it was only about four feet (1.2 metres) tall, it was broad and powerful, and apparently was intent on dragging him outside. It had hair "like a Phyllis Diller wig", a hairless copper-coloured face, a big flat nose and round human-like eyes.

"The thing was looking straight into my face. The funny thing was, it didn't seem to be angry. The hair was a dirty grey colour [but] seemed to be clean. There was no smell. No smell at all. That's a funny thing."

There were other very odd details. The creature's big "stubby" hands were seemingly five-fingered, but its arms, though thick, seemed very short. Even stranger, "the skin...was sort of loose...like it had no muscles...like trying to hold something slippery. I could feel the bones. I couldn't feel the flesh at all." It didn't make a sound, "didn't seem to be breathing".

But it could still shake him like a dog. As they wrestled on the floor, Mr Gray could see, in the bright moonlight, that the hairy horror seemed to have webbed toes. After 10 desperate minutes, it abruptly ran out the door. His two young sons, in a nearby room, had heard the commotion but were too frightened to investigate.

Where did they come from?

The most important question about junjudees is this: are they merely juvenile yowies or are they an entirely different species? Our colleague Gary Opit points out that none of the presumed junjudees seen by either Aborigines or non-Aborigines has been accompanied by full-sized yowie "parents". This, to Gary, strongly suggests the little creatures are a separate species.

Despite the Aboriginal lore and the sighting reports from non-Aborigines, there isn't a skerrick of physical evidence to indicate ape-like creatures, large or small, ever existed on the Australian continent. In 2004, however, relatively recent (only 18,000 years old) remains of "junjudee-like" creatures, *Homo floresiensis*, were discovered on the Indonesian island of Flores.¹⁶

It is now generally believed that the much larger *Homo erectus*, whose remains have been found throughout Southeast Asia, also reached Flores about 840,000 years ago and survived there for several millennia. *H. erectus* was powerfully built, bipedal, had protruding brow ridges and possibly was quite hairy. Some researchers think it possible that some of the creatures continued southward to Australia, where they evolved into today's hulking yowies. Flores is 700 kilometres (435 miles) from Australia, but during the ice ages when sea levels were considerably lower, island-hopping would have been less difficult.

There is one very appealing thing about the *Homo erectus* = yowie theory: it could account for both the yowie and the junjudee legends. Mike Morwood and Peter Brown, the scientists who discovered the tiny *Homo floresiensis* skeletons on Flores, believe that those little people were descended from *Homo erectus*, which, over the course of its 840,000 years on the small island, slowly shrank in size. (Flores was also home to elephants, which, over a similar period of time, shrank to the size of cows.)

Some of the characteristics of the *H. floresiensis* skeletons are interesting, in light of their possible connection to the yowie and junjudee mystery: they had extraordinarily long arms, reaching almost to their knees; their faces projected forward and, although their skulls were very small, their teeth were large and prominent.

One of the most exciting things about the "hobbits", as their discoverers dubbed them, is that the present inhabitants of Flores say the little creatures survived there until about 300 years ago. According to tribal tradition, the creatures, known locally as *ebu gogo*, had big eyes, flat foreheads and *hair all over their bodies*.

Even during the ice ages, island-hopping from mainland Asia to Flores would have involved sea crossings for *H. erectus* of up to 24 kilometres. Morwood and Brown think *H. erectus* may have been capable of building rafts, but such technology might not have been necessary. Each crossing could have happened by accident.

After the tsunami disaster of December 2004, several groups of Indonesians were swept tens of kilometres out to sea. To island-hop from Flores to Australia during the last ice age, *H. erectus* would have needed to make a crossing of 60 kilometres. That seems like a rather long jump—until we consider what happened to Rizal Shaputra, who drifted 160 kilometres on a tangle of tree branches after the recent tsunami. He told his rescuers that for the first few days of his ordeal, there were "many" other people with him.



An artist's impression of *Homo floresiensis*. The creatures may actually have been covered head to foot in hair. (Illustration courtesy of Mike Morwood)

During the last 840,000 years, hundreds of similar tsunamis must have occurred as well as tens of thousands of cyclones and other cataclysmic weather events. It is therefore tempting to speculate that while some *Homo erectus* stayed on Flores, others blundered southward to Australia. While their stay-at-home cousins shrank on tiny Flores, they, finding themselves on a gigantic island continent teeming with lumbering megafauna, may have greatly increased in size (as another relation, *Homo heidelbergensis*, did on the Asian mainland¹⁷). Hundreds of thousands of years later, some *Homo floresiensis* may have followed them.

On their own arrival in Australia about 60,000 years ago, the ancestors of modern Aborigines would therefore have encountered both types of hairy man: the "big fellas" that they came to know by many names including yowie and dulagarl, and the "little fellas" that they knew as junjudee, njmbin, etc. At first, all three species may have coexisted quite happily.

Over several millennia, however, the Aborigines colonised every part of Australia. The introduction of dingoes 3,000 to 4,000 years ago and the use of the dogs in hunting may have given Aborigines a great advantage over *H. erectus* and *H. floresiensis*. Conflict would have been inevitable.

After centuries of skirmishing with their technologically superior neighbours, the hairy men, greatly reduced in numbers, may have retreated to the places where it is easiest to hide: the deep forests and rugged mountains.

One problem with the notion that yowies and junjudees are descended from *Homo erectus* is this: both *H. erectus* and *H. floresiensis* used stone tools and apparently fire. Could both the "big fellas" and the "little fellas" have lost or abandoned all their technology upon arrival in Australia? Such a scenario isn't entirely implausible. In both cases the original immigrants are likely to have arrived clinging to storm-driven debris. Perhaps only isolated couples or very small groups—maybe even groups consisting only of children—were swept ashore. A lot can happen in 500,000 years or so.

The Tasmanian Aborigines, isolated for 12,000 years since the last ice age and numbering fewer than 8,000, also lost almost all of their technology. In *The Future Eaters*,¹⁸ Dr Tim Flannery mentions that the Tasmanians had forgotten how to make fire, according to reports of the first Europeans to encounter them. If a group's fire became extinguished, its members had no option but to eat raw meat until they managed to locate another whose fire sticks were still burning. Subsequent excavations of Tasmanian campsites revealed other strange things: while bone tools including awls and needles were in common use 7,000 years ago, their use slowly dwindled until, 3,500 years later, they had ceased to be used at all. The knowledge of how to make hafted axes, boomerangs and spear-throwers was also lost.

But while it is entertaining to speculate about the relationship of *H. erectus* to *H. floresiensis*, their possible travels eastward and southward from Flores and their possible relationship to both the yowie and the junjudee, the fact remains that not a single bone or tooth of either creature has yet been found anywhere in Australia. So the question remains unanswered as to whether the junjudee is related to the yowie or whether it exists at all.

Maybe one day we'll discover the truth about our little hairy friends—and maybe we never will. All we can do for the moment is keep our cameras handy while in areas noted for sightings, and keep our junjudee file—and our minds—open.

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About the Authors :

Tony Healy and Paul Cropper have been researching yowies and mystery animals in Australia since the mid-1970s. Since 1981, they have collaborated on many projects, including their book *Out of the Shadows – Mystery Animals of Australia* (IronBark, Panmacmillan, 1994, ISBN 0-3302-7499-6; reviewed in NEXUS 2/23). Their new book, *The Yowie: In Search of Australia's Bigfoot*, is published by Strange Nation in Australia (ISBN 9-7806-4646-9645) and Anomalist Books in the UK and USA; it's available from Mackay's Bookshop, Sydney (email mackays@netspace.net.au), and Amazon.com; see review this issue. This article is based on material included in chapters five and seven of *The Yowie*. For more details, visit the authors' website <http://www.yowiefile.com>.

Maybe one day we'll discover the truth about our little hairy friends—and maybe we never will.



THE OMEGA SECRET – Part 2
by Cristoforo Barbato © 2006

[We continue Cristoforo Barbato's 2001 interview with a Jesuit priest who claimed to be a member of the Vatican intelligence agency Servizio Informazioni del Vaticano, or SIV. The first part was published last edition. — Editor]

Barbato: Now, Padre Pio of Pietrelcina spoke about the existence of other living creatures in other worlds that had attained a higher evolutionary state because they were without sin... Is that true?

Jesuit: Without a doubt, but these beings, which you refer to, live in a different dimensional plane, different from ours, and are not angels in the true sense of the word, while on the other hand the Nordic aliens that I spoke about previously have flesh and bone. Even though they are very evolved to a technological and spiritual point, they still have bodies.

These creatures announced to have discovered in the Catholic Church, more precisely in the message of Christ, the pure presence of God and they themselves offered to co-operate for the good of humanity.

That firm affirmation on the part of these beings convinced Pope Pius XII to collaborate with them and to consider them

as authentic converts to the Christian faith. The pontiff probably realised that the Universal Church should communicate its message even to beings coming from other worlds. Besides, these aliens through the years were determined to assist the Church of Rome in all its missions, particularly in determining the character of social and political situations internationally. [Interviewer's note: I suggest you read what Alberto Perego wrote in some of his books during his time as Vatican consul.]

Thereafter, even Pope John XXIII benefited from the support of these beings who had espoused the Christian cause but he always preferred to keep it secret, speaking solely of "angelic intervention". Pope John XXIII had inherited, in a manner of speaking, an agreement for collaboration between the Holy See and these beneficent aliens of the Nordic race as stipulated by his predecessor.

This situation [the secret agreement] endured throughout the pontificate of Angelo Giuseppe Roncalli [John XXIII], who many times expressed to the leaders of SIV his fears regarding investing too much trust in these beings.

That's why today we believe that one of the main reasons for convening the Second Vatican Ecumenical Council was the need to take a first concrete step toward the renewal of the Church, in view of the

possibility of imminent contact.

Barbato: Can we include in this intervention or "celestial mediation" the presumed contact that happened in 1963 between American contactee George Adamski and the pope?

Jesuit: I was just getting there. Adamski really met the pope. He went to St Peter's just once to meet the pope who at that time had already decided that the Church ought not entertain any further direct contact with these aliens, even if they were positive. Furthermore, John XXIII found it unacceptable to reveal this relationship to the Christian populace.

The assignment that the aliens commissioned to Adamski was to try to attain a final agreement with the pope, who was dying. Adamski was a messenger for those aliens who met with the pope through him. These beings ordered Adamski to deliver a gift to the pope. The gift contained a liquid substance that would have saved the pope from gastro-enteritis, which afflicted him at that time and, worse, in his last hours became acute peritonitis. The pope did not drink the substance and said before dying as he beheld the crucifix:

"The open arms of Christ were the purpose of my pontificate. A humble and modest pontificate as you see, for which I assume all responsibility. I am satisfied in what I have done and how I have done it."

THE TWILIGHT ZONE

Moreover, this gesture on the part of the aliens convinced the dying pope, with little lucidity and energy remaining, that the "space brothers" might surely conduct positive and benevolent activities toward humanity but that they should operate autonomously and distinctly from the Church and, in general, from human activities, with prayer, actions according to the law of God and, in particular, under the direction of the Holy Spirit.

Adamski's attempted mission ended direct contact between these beings and that pope and his successors, trusting in the insight of John XXIII who established that it [the Church] was not allowed to have direct contacts.

In a secret manuscript from Pope John XXIII to his successor, which contained one special dossier about Servizio Informazioni del Vaticano, the pope mentioned a passage from the Gospel [of Mark] that clearly explained the position of the Church regarding these benevolent beings coming from other worlds.

From Mark 9:38 ff:

"At which time, John responded to Jesus, saying: 'Master, we saw a man who was casting out demons in your name and we

forbad him because he was not one of us.'

"But Jesus said: 'Forbid him not, for there is no man who shall do a miracle in my name that can then lightly speak evil of me. For he who is not against us is for us. For whosoever shall give you a cup of water to drink in my name, because you belong to Christ, verily I say unto you, he shall not lose his reward.'"

The meaning, in essence, was that the presumed positive activities of these aliens, who accepted the Christic message, should be "blessed" and not opposed [or obstructed] but always kept distinct from and parallel to the Church. These aliens should be considered as the stranger who rescues in the name of Christ and who should not be impeded from doing so.

Barbato: Let's talk about your tasks on the SIV scene.

Jesuit: My tasks were purely technical, the most important of which were, for example, to take extremely secret information coming from a Vatican radiotelescope located in Alaska and forward it to respective destinations.

Barbato: Just a second, but to which radiotelescope are you referring? I did not know that the Vatican owned such a structure in that area.

Jesuit: The Vatican owns and utilises an extremely advanced radiotelescope that is in the vanguard of systems and technology and is only used by Jesuits. It is located inside an industrial park used to store petroleum, a p p a r e n t l y abandoned, situated in the [US] state of Alaska. This complex is camouflage because officially the activities that go on inside are not those of the VATT [Vatican Advanced Technology Telescope] in Arizona and are kept Top Secret.

Barbato: When was that apparatus

built and, above all, what end in sight did the Vatican have in owning so many other astronomical sites around the world?

Jesuit: What I can say is that it was built in the 1990s with the object of studying all anomalous celestial bodies approaching Earth, similar to what the CIA did with one of its "secret eyes", the twin to Hubble called *SkyHole-12* [also known as *KeyHole-12* or KH-12; for details see <http://en.wikipedia.org/wiki/KH-12>]).

Moreover, the SIV was informed during the meetings [of the aliens] with Pope Pius XII of the approach of a celestial body to the solar system in which resides an advanced, very warlike, alien race. Very shortly, I knew that the material that I should have been receiving in Rome and then analysing on a computer was very interesting and extremely secret.

It was during the analysis of certain data and information from the Alaska radiotelescope that we discovered that one remote deep-space probe, part of a deep-space exploration program called *Siloe* which was started in 1990, had taken a photograph of a huge planet getting closer to the solar system.

The information was received in Alaska during October 1995, which is when my problems started. I discovered that I was not chosen to decode that particular transmission and a dangerous situation evolved. At that time, my contact revealed to me that, inside the Vatican, there were two factions struggling over possession and control of this information, which was classified far beyond Top Secret.

Barbato: Can you give me some other details on the space program called *Siloe*? Who proposed and launched it?

Jesuit: The probe called *Siloe* takes its name from an identically named program of space exploration begun in the early 1990s. Furthermore, regarding this I can add that this program was part of another one, much wider in scope, named *Kerigma*. [Interviewer's note: Regarding the latter, nothing was revealed to me.]

For now, I can just tell you that this probe was created in Area 51 [Nevada, USA], has an electromagnetic impulse motor and was put into orbit by a space plane, like the *Aurora* type. The probe did not have any calculations or pre-indications of the trajectory or the precise location of Nibiru, because its purpose was to approach that planet, correcting its direction to avoid impact, and to return to



this solar system to a position close enough to transmit the data and images to the secret radiotelescope located in Alaska. The probe was launched as soon as the radiotelescope was, and the probe was capable of transmitting images in 1995.

Barbato: What I am hearing from you reminds me of some theories formulated by researcher Zechariah Sitchin regarding the future return of the mysterious 12th planet. Do you know this work?

Jesuit: Yes, I know about the principal aspects. What I can say is that SIV, in collaboration with Lockheed Martin, launched that probe which made the images that I later analysed. These images are of an enormous celestial body whose presence will be "felt" within at most three years from 2001 in our solar system.

Barbato: How did you get access to such information?

Jesuit: Actually, I possess an authorisation for the supervision of the so-called *Secretum Omega*. This is the highest classification of secrecy in the Vatican, equivalent to Cosmic Top Secret in NATO. This is subdivided into three levels of information: from the least detailed *Secretum Omega* Level III to the *Secretum Omega* Level I, which is the most complete. My actual goal was to indoctrinate new members of SIV, teaching them the use of the communication systems of this organisation.

Barbato: How is the information collected by the radiotelescope in Alaska relayed to Italy?

Jesuit: There are some radios and antennas linked to two geostationary satellites over Italy, property of an American telecommunications company, Sprint International, which owns parabolic antennas located in Italy, in the north and in the extreme south. This company has a special contract with the SIV and a private channel broadcasting and receiving enciphered data using private algorithms and personalised cryptography, used since 1994. Before this, the SIV utilised a cryptographic system invented by a Swiss society, which was subsequently abandoned because one of the members of this society sold secretly to some Israelis. I can't give you other technical information at the moment.

Barbato: I would like to ask you about a well-known religious legate to the Church. I am referring to Monsignor Balducci, who publicly spoke about the

extraterrestrial themes. Is it possible that Balducci is working in concert with SIV and that he has knowledge of its existence?

Jesuit: Surely Father Balducci made his studies and his research in a totally autonomous manner without following any pre-existing established program. During his research, he was never obstructed. On the contrary, in certain ways he was actually encouraged.

Barbato: Just a moment please: it seems to me, understanding your words, that there exists a program for disclosure. And maybe, for this reason, could it be that you decided to meet me and reveal this information to me?

Jesuit: We are "crazy splintered", according to the system, but we know that certain events are going to happen to all living beings on the planet; no one is excluded. All humanity in this actual period of history is living in a particular circumstance and intimately linked to some key events contained in the Book of the Apocalypse. The human race must surrender completely to the message of salvation and redemption of Christ, which St Paul defined as *kerigma*—a message that John Paul II [now deceased] is trying to spread to all nations. Don't you think that the pope knows how close these events are to us?

Barbato: But how much does the pope know about all this information, also in view of the passionate declaration that he

made in 2000? (Interviewer's note: This especially concerned the official trip to Fátima for solemn beatification of the seers Francisco and Jacinta Marto.)

Jesuit: Inside the Vatican there are two different groups struggling one against the other with counter positions. One of these promulgates disclosure of this information program and is defended body and soul by Wojtyla [Pope John Paul II]. The other tries to block any information from getting out, by any means, to the point that some members of this faction take part in occult power groups; for example, they control the world oil market, actually working in many international economies with the sole purpose of blocking any disclosure of any alternative free-energy sources.

Groups like that behind the famous and controversial "Guardian" UFO case [Canada, 1989–91], of which you know, dramatically authenticated this information in great measure with the exception of photographs of presumed alien entities. Anyway, these documents describe a real situation.

Reality often surpasses the craziest fantasy. Unfortunately, this is the case. And of all these occult organisations, the apex is the SVS...

(Source: by Cristoforo Barbato, website <http://www.secretum-omega.com>; translated from Italian by Robert Morningstar and Matteo Sarti)



"One postcard, a few bills and your subscription issue of Antigravity Monthly."



REVIEWS

BOOKS

Reviewed by Ruth Parnell

STATE SECRETS II: RETURN FIRE

by Ben C. Vidgen

© Ben C. Vidgen, Dunedin, NZ, 2006

ISBN 0-473-123-00-2 (255pp tpb)

Available: deadlinegazette@gmail.com,

<http://www.deadlineonline.co.nz>

Many more corroborations supporting his thesis have come Ben Vidgen's way since the 1999 publication of his book *State Secrets*. You'd think that tucked away in Dunedin on the south island of New Zealand producing a café broadsheet called *Deadline* would insulate him from trouble, but no.

In 2004, for instance, he received a letter from the solicitors for Richard V. Allen, a former national security adviser to Ronald Reagan, neo-con and part-time NZ resident, objecting to Vidgen's insinuation that he was involved in any arms-for-hostages proposal in 1979, despite his testimony in the Iran-Contra hearings. Vidgen refused to apologise and he's lucky that he wasn't pursued. Frankly, for the people and scams he exposes, he's very lucky...

In *State Secrets II*, Vidgen continues the saga of the role of diverse elements within and visiting New Zealand who are involved in gun-running, money-laundering and terrorism on an international level. Early on, he mentions that every chapter has a reference to Adnan Khashoggi, international arms dealer and visitor to NZ since 1976; in Vidgen's view, "Khashoggi can always be found within six degrees of separation from the scene" wherever there's a major crisis. The flare-ups in violence in Pacific neighbours such as Fiji, East Timor and the

Solomon Islands are incidents Vidgen warned of previously and have come about because nothing has been done to curb the proliferation of small arms in the region.

Vidgen's gamut covers key events in New Zealand's shady history in recent times and going back the last few decades. The legacy of the BCCI and Nugan Hand banking scandals lives on, foreign billionaires are setting up home in NZ while hundreds of ex-SAS soldiers and police are recruited as mercenaries in Iraq for firms that have done deals with NZ politicians and military brass.

There's heaps more to shock as well as inform in this "big picture" perspective on the machinations of The Great Game.

THE SCIENCE OF EXTRATERRESTRIALS

by Eric Julien

Allies Publishing, Fort Oglethorpe,

Georgia, USA, 2006 (first published in

French by JMG Editions, 2005)

ISBN 1-60177-101-0 (380pp hc)

Available: www.alliesbooks.com

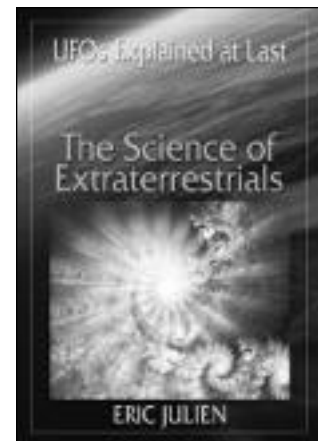
The US Eisenhower government in 1954 turned down an opportunity to cooperate with a group of benign ETs by refusing to accede to their requests to discontinue all nuclear programs, says French researcher, former military air traffic controller and airport manager Eric Julien. He's not the first ufologist to suggest the government had this meeting with ETs, but he has an interesting theory as to why the ETs, or "extratemporals", weren't keen on this nuclear path.

According to feedback from his own and others' contact experiences, apparently the reason why these ETs aren't happy about nuclear explosions on Earth or in space is that they tear the fabric of space-time, and

some ET races are particularly sensitive to such energetic imbalances affecting their part of the Universe. Fundamental to Julien's understanding of space-time is the idea that time is a fractal. It has three dimensions—direction, density and the (ever-changing) present—and is the basis for his theory of "absolute relativity".

Eric Julien's hypothesis is hard to sum up in a few words, but it suggests interesting factors about UFO interdimensional travel, propulsion and motion. For example, Julien describes how UFOs can change size: the greater the intensity of the temporal (time) field, the smaller the craft will seem. The temporal bubble grows larger compared to the decreasing size of the craft as the time density increases. The relative reduction of the craft makes it appear to accelerate.

Julien analyses other paranormal phenomena such as alien abductions, antigravity, crop circles, poltergeists and time travel in terms of this fractal time theory in his scientific paradigm-changing book.



REVIEWS



CHILD EXODUS FROM TIBET

by Birgit van de Wijer

Birgit van de Wijer © 2006

ISBN 90-784-6401-1 (144pp tpb)

Available: www.childexodus.org

When a Tibetan government-in-exile delegation made its first visit home in September 1979, Tibetans learned that schools had been set up in Dharamsala, India, under the authority of the Dalai Lama. From then on, parents have been sending their children at the rate of up to 300 a year to Dharamsala to receive the education they can't get in their homeland.

In 2003, author Birgit van de Wijer was in India researching an article about Tibetan Children Villages (TCVs) and then visited the Tibetan Refugee Reception Centre in Kathmandu, Nepal, to see this transit point for herself. She has since taken up the cause to bring awareness of the plight of Tibetan children to the world.

Under Chinese rule, children in rural Tibet have no formal education and only parents who can afford to pay bribes can get any schooling for their kids. Even then, the children are not taught their native language, history, craft or customs, and they cannot get into secondary school without being able to speak and write Chinese—even though Chinese is only taught to Tibetan students in grades three and four.

They are also charged more for schooling than are the resettled Han Chinese. All this, says van de Wijer, is illegal under the UN Convention on the Rights of the Child, despite China being a signatory.

To complicate matters, Tibetan children undergo arduous journeys to get to their Indian destination, sometimes involving a month or more of travel on foot through the

snow (frostbite is common, and many die in transit), risking capture and imprisonment by Chinese and Nepalese police and spending what meagre allowance they have on bribes. The UNHCR has been monitoring the situation out of Kathmandu since 1991, but in the last few years Nepal has withdrawn much support for these refugees.

The ones who do make it to Dharamsala are provided with a nurturing environment that encourages their learning—but what a tragedy that they can't be fully Tibetan in their own mountain paradise. Eye-opening.

CAMOUFLAGE THROUGH LIMITED DISCLOSURE: Deconstructing a Cover-Up of the ET Presence

by Randy Koppang

The Book Tree, San Diego, USA, 2006

ISBN 978-1-58509-110-2 (159pp tpb)

Available: www.thebooktree.com

In analysing the history of the UFO phenomenon in the USA since the 1940s, researcher Randy Koppang delves into what's at the core of all the official secrecy. He uses the testimony of two key witnesses to make his point: not only do UFOs and extraterrestrials exist, but covert forces are re-engineering off-planet technologies for their own purposes. The admissions of Col. Philip Corso in *The Day After Roswell* are further supported by their testimony.

One witness is Melinda Leslie, who claims to have been abducted by aliens but also re-abducted by obviously very human military-intelligence operatives intent on finding out what she knows about the abducting aliens. She refers to other similar reports by "re-abductees" who often feel ignored by the UFO research establishment that doesn't countenance these non-alien-abduction

scenarios wrapped up as the "real" thing.

The other witness is Bill Uhouse, an electrical engineer who's spent a career working for US defence industry contractors but periodically since the early 1950s has been redirected to secret projects, e.g., in S-4 Nevada, where he worked on UFO craft simulators. His testimony is taken from a series of small-scale lectures he gave between 1996 and 1998.

Among his revelations is that it's not so much the Shadow government behind this reverse-engineering of alien technology but a global Satellite government that comprises the corporate defence establishment in collusion with black-ops military personnel.

As far as the UFO "cover-up" is concerned, Koppang concludes that it's not so much about the official government refusal to confirm the ET presence but to protect a system that at all costs wants to keep secret its complicity in the manufacture of craft with hyperdimensional and thought-control properties. Something else is going on!





REVIEWS

THE TWIN DECEPTION

by Tony Bushby

Joshua Books, Qld, Australia, 2007

ISBN 0-9757953-4-1 (368pp tpb)

Available: <http://www.joshuabooks.com>;

NEXUS offices

In his latest work, Tony Bushby expands on the revelations in his first book *The Bible Fraud* (see NEXUS 8/06) with more evidence for the existence of two twin brothers, Jesus Khrestus and Judas Thomas, who, he claims, eventually came to be depicted as a composite Jesus Christ figure by the Holy Roman Church after the first ecclesiastical Council of Nicaea in AD 325.

Born of a high-born Nabataean princess Mariamne, grand-daughter of King Herod, and a Roman general with close links to the Caesars, they were brought up in an Essene community outside Jerusalem and were known by a variety of names depending on which source is consulted. When the game was up for the militarist Jesus Khrestus, he had a substitute (Simon of Cyrene) crucified in his place, but the event happened in Rome, not Jerusalem, says Bushby. So while his brother Judas Thomas then took over the messiah role, Jesus Khrestus had to escape—to Kashmir, as the story goes.

Bushby claims that the suppressed Gospel and Acts of Thomas (Judas Thomas, in fact) contain explicit references to the twins that were suppressed in the canonical New Testament but can still be seen in the first English edition of the Vulgate Bible. Other evidence from the Dead Sea scrolls, from Renaissance artists such as Michelangelo and Leonardo da Vinci and from the ciphers of Templar initiate Francis Bacon point to the twin messiah phenomenon.

Along the way, Bushby cites works from

dissenters to Roman Catholic Church dogma (some of whom are featured in his three-part "Criminal History of the Papacy" series in NEXUS 14/01-03). His assertions suggest Christianity is surrounded by a thin veneer and raise questions about the moral authority of the Church today.

INDUCED AFTER DEATH COMMUNICATION: A New Therapy for Healing Grief and Trauma

by Allan L. Botkin, PsyD, with R. Craig Hogan, PhD

Hampton Roads, VA, USA, 2005

ISBN 1-57174-423-1 (210pp tpb)

Available: <http://www.hrpub.com>

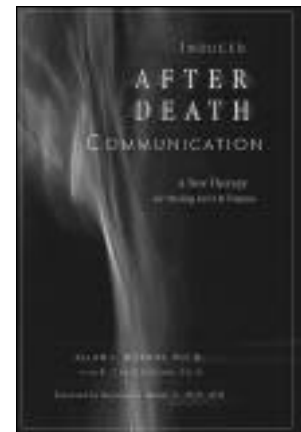
Clinical psychiatrist Dr Allan Botkin, brought up in the cognitive-behavioural school, had been working in grief and trauma counselling, primarily with US war veterans for many years but with minimal therapeutic changes in patients treated with "exposure therapy". By the early 1990s, he had trained in Dr Francine Shapiro's radical new therapy called EMDR: eye movement desensitisation and reprocessing.

In his often deeply moving book, Dr Botkin explains how in 1995 he stumbled on a new way, using EMDR, to get to the patient's "core sadness", bypassing the anger and guilt that were covering it up. He discovered that by helping the patient get to this core emotion and then doing another set of EMDR movements and asking the patient to close his eyes and go with whatever happened, the patient would undergo an "induced after death communication" (IADC) with the person they are grieving about, not dissimilar to a typical near-death experience. It was common for patients to

finish a session feeling an inner joy at the restored connection with a loved one and a resolution of their grief. The connections were very real to the patients, and Dr Botkin can confirm the reality from his own IADCs.

In summarising the findings from his first 84 cases, Dr Botkin says that 98 per cent fully resolved their sadness, and did so regardless of age, race, religious belief, etc. With trusted colleagues applying IADC to their EMDR treatments, Botkin developed his technique and set up training courses for psychotherapists who are now spreading it worldwide and have already helped make a profound positive difference for thousands of people. (The IADC procedure for psychotherapists is outlined in appendix B.)

This seemingly miraculous therapy (which Michael Tymn discussed in NEXUS 13/05) has enormous implications: not only does it suggest that we have an innate potential for self-healing, but that consciousness does survive after physical death. Other potential applications of IADC are mind-boggling.



REVIEWS



LIVING IN A FASCIST COUNTRY

by Vernon Coleman

Blue Books, Devon, UK, 2006

ISBN 1-899726-36-5 (343pp tpb)

Available: Publishing House, tel +44

1271 328892, website <http://www.vernoncoleman.com>

If you've written as many books as Dr Vernon Coleman (over 90, translated into 22 languages), you'd feel within your rights to mouth off about what ails your homeland, Great Britain. This former doctor, who became a full-time writer focusing on medical issues, has been devoting his talents to railing against what's going wrong in this democracy, where freedom and privacy are being threatened by a fascist New Order.

But this wasn't always so for Dr Coleman. For years he'd fought against conspiracy theories, but as a result of the events of 9/11 now thinks he was wrong to be so sceptical. The very things he scoffed at are happening before our very eyes: individual freedoms are being eroded by compromised politicians using fear tactics to justify draconian legislation to keep people under control, under the pretext of fighting terrorism.

To spell it out, Dr Coleman has adopted a style of numbering every section within each chapter; this has the effect of providing digestible chunks with a sometimes disconnected narrative—often the case when he includes quotes from famous dissenters to make a point—and he provides few references throughout. However, as a pastiche of railings against the machine of state, *Living in a Fascist Country* is a book you can pick up at any page, like a bedtime book of nightmares. With its accounts of how the government is fooling the people (he spares no kind words for "war criminal" PM Tony Blair),

how ID cards and under-the-skin chips will destroy personal liberty, how public infrastructure has been offloaded to the highest bidder, and how the banks and other institutions are in on the take, this book is a manifesto aimed at alerting people to the fact that they're being manipulated big-time and calling on them to rise up to assert their rights before it's too late. As he warns, "The way the Government is clamping down on free speech, this may well be your last chance to read the truth". Scary stuff indeed, made scarier by the fact that the UK is not the only democratic nation whose citizens' freedoms are being destroyed.

THE END OF SUFFERING: Fearless Living in Troubled Times

by Russell Targ and J. J. Hurtak, PhD

Hampton Roads Publishing Co. Ltd,

Charlottesville, VA, USA, 2006

ISBN 1-57174-468-1 (180pp tpb)

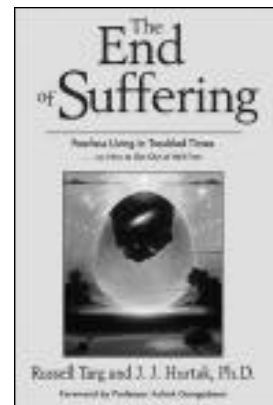
Available: <http://www.hrpub.com>

Frontier physicist Russell Targ and philosopher-futurist Dr James Hurtak team up to give us a timely reminder that there *is* a way out of the suffering that plagues individuals and societies. The dualistic thinking that's a legacy of Aristotle is at the root of our suffering, they say, because it's a two-valued logic system of "x exists" and "x does not exist" that sees the world in black or white, not allowing shades of grey into the picture. What we need is a four-valued logic system that includes "x both exists and does not exist" and "x neither exists nor does not exist".

The authors propose that the Madhyamika or "Middle Way" school of Mahayana Buddhism, founded by "the second Buddha" Nagarjuna in the second century AD, is the

path to enlightenment. It requires detachment from ego, notions of separateness and judgement but also deactivation of the Aristotlean logic circuits that offer no way of transcending into a state of unconditioned "naked awareness" that is essential for being one with the "infinite and spacious unified field of Reality" and, indeed, universal love. But using illusory perceptions to perceive the ultimate is futile, too, for we need to understand that everything is in a state of mutual dependence. According to the Middle Way, release from pain and suffering comes from within when we change our perception of what is real and not real and see our relationship to the whole.

To help us live without fear and with timeless awareness, Targ and Hurtak present a five-step outline of suggested practice that includes embracing a unity of mind, quieting the ongoing mental chatter, practising compassion, sharing in fellowship the experience of loving awareness, and reflecting positive thinking. By co-creating each moment, we are truly free. Inspiring!





REVIEWS

SACRED NUMBER AND THE ORIGINS OF CIVILIZATION

by Richard Heath

Inner Traditions, Rochester, USA, 2006
ISBN 1-59477-131-6 (248pp tpb)
Available: www.InnerTraditions.com

Following on from his previous book *The Matrix of Creation* (see review, 12/01), Scotland-based electrical and computer engineer Richard Heath reiterates the importance of cosmic numbers and ratios and examines their influence in the history of civilisation on Earth. The earliest cultures had an appreciation of numbers, based on their observations of the cycles of celestial bodies, and the fact that similar systems of measurement could be found in widespread regions of the ancient world suggests the existence of a prehistoric protoculture.

That protoculture, perhaps consisting of survivors from the destruction of Atlantis, may have come from northern Hyperborean climes, and Heath considers evidence for the Indo-European cultures being seeded from the Scandinavian/Baltic Sea regions in a migration brought on by several periods of adverse climate change after the end of the last ice age. For instance, in a cooling period from 3000 to 2000 BCE there was a migration into India and Persia, and more recently, following the eruption of Santorini and destruction of the Minoan civilisation c. 1450 BCE, there was a migration into Greece via the Black Sea. The similarities between ancient Nordic and Greek mythologies is evidence, he says. So, too, are the suggestions that Plato's Atlantis myth describes northern, not Mediterranean, landscapes and that ancient Hebrew mythology associated with Enoch the prophet points to a connection with far northern latitudes.

Indeed, landscape geometry is another key in that the major ley line drawn from the tip of Cornwall right through the Baltic islands which contain many examples of megalithic constructions and fortified churches that conform to an ancient "sacred" geometry. That geometry can also be seen in a 30° planetary grid sector that extends from Jerusalem to Bornholm, in the Baltic, through Iceland and into the New World, and from Jerusalem to Rennes-le-Château in the French Languedoc to the New World. The location of Washington, DC, the so-called New Jerusalem, rich in sacred symbolism inspired by the Knights Templar, is cradled within this sector. An intriguing study into humanity's sacred origins.

FORBIDDEN RELIGION: Suppressed Heresies of the West

edited by J. Douglas Kenyon

Bear & Co., Rochester, VT, USA, 2006
ISBN 1-59143-067-4 (304pp tpb)
Available: website

<http://www.BearandCompanyBooks.com>

Underground and heretical religious belief systems and their threads through the last 2,000 years are the subject of this new compilation from the pages of the US bimonthly journal *Atlantis Rising*, put together by its editor J. Douglas Kenyon. It's the companion volume to *Forbidden History*, which we reviewed in 12/05.

Divided into six sections, the content of the first four covers the truth behind the orthodox veil of Christianity, the hidden history of the Knights Templar, the secrets coded into the Sinclair-built Rosslyn Chapel and the role of high-ranking Freemasons in the occult foundations of the United States.

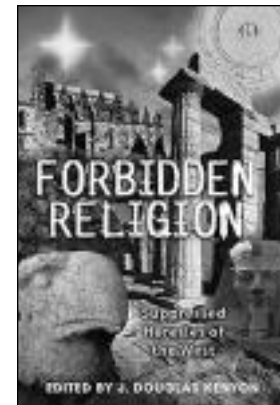
The final two parts tell even more esoteric

and mystical stories of visionaries and alchemists such as Nostradamus, and spirit/soul connection evidence that challenges religious and scientific dogma.

There's a wide range of contributors:

Kenyon himself, on the Christ mystery, as well as Cynthia Logan on Christian origins and the Goddess Gospel; David Childress on the enigma of the great lost sailor's map; Steven Sora on missing Templar treasures and the occult basis of England's interest in the New World; Jeff Nisbet on the "crack in the da Vinci code"; and William Henry on Francis Bacon's cryptic clues in his writings. Also featured are Peter Bros on Newton and the mystical foundation of empirical science, Bill Eagles on the new science of instrumental transcommunication, P. M. H. Atwater on why science can't get its head around the near-death experience, and Ian Lawton on the scientific evidence for reincarnation.

The evidence suggests that many so-called "heresies" have survived the purges of Christianity, perhaps because their undercurrents of truth defy suppression.



REVIEWS



THE YOWIE: In Search of Australia's Bigfoot

by Tony Healy and Paul Cropper

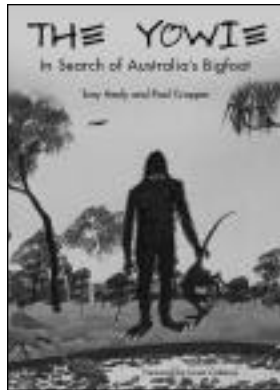
Strange Nation, Sydney, Australia, 2006

ISBN 978-0-646-46964-5 (320pp tpb)

Available: **Australia**—Mackay's Books, tel (02) 9876 6332, email mackays@net-space.net.au; **UK, USA**—Amazon.com

It's incredible that the prolific sightings of Yowies by Aborigines and European settlers have resulted in no skeletal or fossil evidence that would utterly prove their existence. The yowie, a hairy ape-man of huge stature (3–4 metres) that inhabits remote mountainous and forested regions of Australia, has similarities with the North American Sasquatch and the Himalayan yeti which also have eluded science.

In their fascinating book *The Yowie* (with foreword by US cryptozoologist Loren Coleman), Tony Healy and Paul Cropper keep an open mind about the existence of this elusive creature. They have interviewed



120 eyewitnesses and present compelling testimony from these and other cases in their over 280 files, along with maps, sketches, photos of footprints and plaster casts of prints, colonial archival material and the only known photo of the head of a yowie with glowing red eyes (reproduced in b&w). This photo was taken by anthropology graduate and schoolteacher Neil Frost, who, along with family and neighbours, has seen the creature on many occasions in the last two decades around his home on the edge of the rugged Blue Mountains bushland.

Healy and Cropper, who've been studying the yowie phenomenon since the mid-1970s (and wrote about it in their 1994 book *Out of the Shadows*), document evidence from the Aborigines, from early colonial records and from sightings reports up to the present day, including from reliable witnesses such as rangers, surveyors, zoologists and SAS members. They summarise the evidence, including the yowie's bad stench and the fear invoked in humans and domesticated animals, and they speculate on whether the

creature may have hypnotic and interdimensional capabilities. They also include a chapter on "Littlefoot", the *junjudee*, a one-metre-tall, hairy ape-man speculated to be a separate species from the yowie (see article in this edition). For a sneak peak, visit the authors' website <http://www.yowiefile.com>.

ASBESTOS HOUSE: The Secret History of James Hardie Industries by Gideon Haigh

Scribe, Carlton Nth, Vic, Australia, 2006

ISBN 1-920769-62-5 (442pp tpb)

Available: www.scribepub.com.au

Australian journalist Gideon Haigh has written a sobering history of asbestos products producer James Hardie Industries Ltd (established in Sydney in 1888), and the suffering endured by thousands of people who were involved in the production and use of its products. Not only does Haigh present a picture of the evolution of Australia's industrialisation and the paternalistic attitudes of many early entrepreneurs, he discusses the unfolding of medical understanding of asbestos-related diseases.

It wasn't until the 1920s that studies in the UK and US proved how damaging asbestos fibres are to the lungs. The Australian health authorities introduced safety guidelines, but that didn't mean these were enforced. The company, knowing by then of the dangers of asbestos, met only minimal safety requirements. At some Hardie and subsidiary factories, the air was so thick with the dust that workers couldn't breathe through their masks after five minutes.

Hardie's management had to ensure supply of its raw material, and despite several disastrous operations in the previous decades decided in 1947 to establish a blue asbestos mine at Wittenoom in Western Australia, today a ghost town. Not only a bad economic choice, it was a shocker for the locals' health. Yet Australia embraced the cheap building material while thousands were condemned to death. JHIL stopped using asbestos in 1987, but asbestos disease can take decades to emerge. Survivors are still waiting for compensation payouts, stymied in 2001 when Hardie severed itself from liabilities to victims, set up a compensation fund that could not cover all the claims, and transferred its operations to Amsterdam. Now, Hardie's directors are facing fines and perhaps criminal charges.

Haigh includes interviews with sufferers, Hardie and industry executives, financial and legal insiders as well as extracts of court proceedings, company records and founding family papers in this hard-to-put-down exposé with ramifications for corporate social and environmental responsibility everywhere. A sad and cautionary tale.



REVIEWS

THE CYGNUS MYSTERY

by Andrew Collins

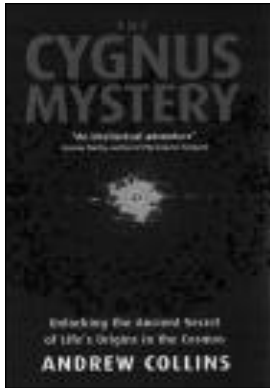
Watkins Publishing, London, UK, 2006

ISBN 1-84293-193-8 (350pp hc)

Available: <http://www.andrewcollins.com>

The constellation Cygnus has a connection with northern-hemisphere humanity going back at least to Palaeolithic times. Associated with the bird as a symbol of the soul, and depicted in many forms including the vulture and, of course, the swan, the constellation was a gateway to Heaven for shamans and was reflected in ancient belief systems and the siting of standing stones.

As Andrew Collins has discovered, Deneb, the brightest star in Cygnus, was the northern pole star c. 15,000 BC when much of the northern regions were yet to emerge from the last ice age. At this same time came forth changes in human physical and neurological make-up that found expression in cave art with its representation of ritual symbolism and cosmic cycles. Collins is not the



first to propose that these changes may have been kick-started by a gigantic influx of cosmic rays from the Cygnus X-3 binary star—and these deep caves would have been ideal traps for these rays. In fact, high-energy subatomic particle residues can be found in the walls of these caves. As well, beryllium-10 traces in ice cores from the Antarctic and Greenland show an earlier influx c. 35,000 BP that may have resulted in the evolutionary leap to *Homo sapiens sapiens* and the original flowering of cave art in Western Europe from c. 32,500 to 30,000 BP.

Collins began the journey that led to *The Cygnus Mystery* by returning to Turkey (which he'd visited for his first book, *From the Ashes of Angels*; see 4/01), especially the region bordered by Syria and Iraq. His discoveries at "the oldest 'temple' in the world", Göbekli Tepe, possibly at least 12,000 years old, and at the probably older Karahan Tepe, show alignments with the already long-revered Cygnus constellation and a fascination with vultures and hallucinogenic mushrooms—aids on the age-old shamanic quest.

Referring to recent findings from archaeology, comparative religious study and astrophysics, Collins proffers evidence that "microblazar" Cygnus X-3's one-sided jet points directly at Earth—but he wonders if this is a mere cosmic coincidence. This is a compelling new line of enquiry.

THE ELECTRIC SKY: A Challenge to the Myths of Modern Astronomy

by Donald E. Scott

Mikamar Publishing, Portland, USA, 2006

ISBN 0-9772851-1-1 (248pp tpb)

Available: Mikamar Publishing, tel +1

(503) 740 9567, www.mikamar.biz

Astronomers, astrophysicists and cosmologists won't expand their knowledge unless they change their focus from gravity to electromagnetism and plasma physics says Donald Scott, an American electrical and computer engineer as well as amateur astronomer. He's part of a push that's making waves in these fields despite the intransigence of the mainstream scientific community. They owe their approach to such luminaries as Nobel Prize-winning Swedish electrical engineer Hannes Alfvén, author of the 1981 classic *Cosmic Plasma*, and engineer Ralph Juergens, who in the late 1970s proposed an Electric Sun hypothesis with our Sun as a huge plasma cloud. Among the push is Wal Thornhill, who's presented his Electric Universe theory at NEXUS conferences and whose research we've published (see 11/04, 12/01, 12/05, 13/01).

In *Electric Sky*, Scott establishes what is wrong with the "accepted" astrophysical and cosmological belief structure and explains how all the shortcomings can be understood in terms of electric plasma. So, there's no need to classify so many things as "missing", i.e., "missing matter", "dark energy", "superstrings", for the properties of electric plasma account for all observations. By this hypothesis, which can be tested under lab conditions, the Big Bang theory is rendered defunct, assumptions about redshift are disproved (with help from Halton Arp's observations) and the accelerating solar wind can be explained; so, too, can the solar corona temperature differential: ~3 million versus ~5880 Kelvin at the Sun's visible surface, the photosphere. Further, Scott puts paid to the popular theory that the Sun is self-powered by nuclear fusion, promoting the alternative view that it's charged up by current flows sourced from the galactic neighbourhood. Plasma is more than just hot gas; indeed, says Scott, "in the beginning was the plasma", the first state of matter.

Despite the complexity of the subject, Scott has produced an easily understandable book that surely will play a role in turning establishment astrophysics on its head.

REVIEWS



DVDs/CDs Compiled by Duncan Roads

SPiritworld

Produced/directed by Chris Everard
© ETV/GBC/AlM Bocca Italia, 2007
(2-DVD boxed set)

Available: Only via the website
<http://www.enigmacyberstore.com>

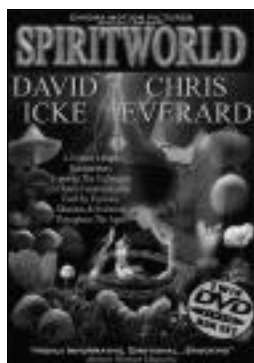
The prolific Chris Everard has been busy yet again, and has just released his new DVD double set titled *Spiritworld*.

Basically, this documentary looks at how the ruling elites use their secret knowledge of the spirit world to further their goal of global domination.

It examines and exposes the techniques of spirit communication used by psychics, shamans, mediums and scientists throughout the ages.

Featuring commentary by David Icke, other subjects covered on the first disc include: shamanism and the Earth's energy field; the spiritual shockwave of 9/11; war as ritual sacrifice; the ouija board; Aleister Crowley; ghosts and discarnate entities; Sir William Crookes; how spirit research led to the discovery of television; psychic surgery; ectoplasm; Dr Jon Dee's Enochian system of magic; spirit possession; and much more.

The bonus disc contains interviews with David Icke, Chris Everard, Janet Ossebard, Bert Janssen, Nick Franks and Montague Keen. A slick, high-tech presentation with lots of original footage and imagery.

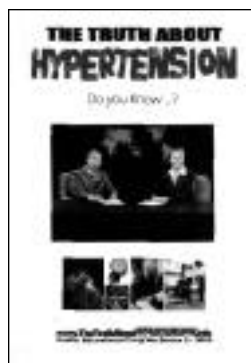


THE TRUTH ABOUT HYPERTENSION: Do you know...?

© Health Educational Program, 2005,
<http://www.thetruthabouthypertension.info>
Available: Eleotin 4 Diabetes, PO Box 12,
Hornsby NSW 2077, Australia, tel +61
(0)2 9476 0936, www.eastwoodcos.com

An estimated 600 million people

worldwide are affected by hypertension. Hypertension is an underdiagnosed condition because it causes damage to the body that produces no symptoms or only mild symptoms. Along with diabetes, it has been called a "silent killer" for this reason.



In *The Truth About Hypertension*, Dr Youngsoo Kim and Christina Seston team up again to shed light on the causes of hypertension and its solutions.

They also discuss the hidden truth about the deadly relationship between the two silent killers, diabetes and hypertension.

With his knowledge of natural alternatives to pharmaceutical drugs, Dr Yoongsoo Kim brings welcome information on solutions and also breaks the myths surrounding salt in the diet.

THE HEAVENLY GAIT & Other Earthly Pleasures

Produced and presented by David Hall
© David Hall, 2006 (8-CD boxed set)
Available: David Hall, 105 Avalon
Parade, Avalon NSW 2107, Australia, tel
+61 (0)2 9918 7614, website
<http://www.bodylogic.net.au>

This 8-CD boxed set of "Awareness Through Movement" lessons is the result of David Hall's 20-year exploration of the Feldenkrais Method. It contains lessons that have the potential to profoundly affect your day-to-day experience of life and the

pleasure you feel in body and soul. People all over the world have used the Feldenkrais Method—to get rid of back, neck or limb pain and find relief from many other problems.

These Feldenkrais lessons encourage you to explore the way you move as a way of being. They urge you to move with an appreciation of who you are and to become more attuned to the experience of life through

your body. Doing this not only removes the source of many aches and pains, it leads you to a sensually enriched life, where walking can indeed feel like Heaven and the simplest of things can be felt as ecstatic Earthly pleasures. Each lesson contains only one exercise, which you do with a minimum of force and a maximum of conscious awareness. This beautifully designed set contains seven 45–50-minute lessons, one 18-minute mini-lesson and Hall's 30-minute lecture, "Is the Universe Friendly?".





REVIEWS

MUSIC

Reviewed by Richard Giles

WOMEN OF THE WORLD: ACOUSTIC by various artists

Putumayo, USA, 2007 (41mins)
Distributors: **Aust**—MRA, tel (07) 3849 6020; **UK, USA**—www.putumayo.com

On 8 March each year, women all over the world celebrate International Women's Day. In tribute to this tradition, Putumayo has released an album of female singers/players from around the planet. Artists include Luca Mundaca from Brazil, Mona from Algeria, Tamara Obrovac from Croatia, Kaïssa from Cameroon, Marta Gómez from Colombia, The Wailin' Jennys from Canada, and many more. *Women of the World: Acoustic* is a softer exploration of contemporary acoustic music by some of today's leading female musicians.

WÁTINA

by Andy Palacio & The Garifuna Collective

Cumbancha Music BMI, 2007 (54mins)
Distributors: **Australia**—MRA, tel (07) 3849 6020; **UK**—Putumayo, tel 07759 600495; **USA**—Cumbancha, tel (802) 425 2118, <http://www.cumbancha.com>

Andy Palacio is a Belize musician from the almost extinct Garifuna society, a mix of West African and indigenous Caribbean cultures that once flourished along the Caribbean coast of Central America. This collection featuring Garifuna musicians from Belize, Guatemala and Honduras seeks to preserve their musical heritage. The lyrics and chants are sung in Garifuna, and the traditional rhythms are irresistibly danceable. Instruments include unique Garifuna drums called *primero* and *segunda*. With a recognisably Caribbean feel, too, this is an immensely important album for the region's music and culture.

AN OTHER CUP

by Yusuf

Ya Records, Atlantic, 2006 (42mins)
Distributors: **Aust**—Warner Records; **UK**—Polydor; **USA**—Atlantic Records, <http://www.atlanticrecords.com> (also see <http://www.yusufislam.org.uk>)

Last November, Yusuf Islam, aka Cat Stevens, released his first album of popular songs in 28 years, marking the 40th anniversary of his first record. His work was a seminal part of 1970s music, with songs like "Father and Son" and "Peace Train". The compositions here are all his own, and the old Cat voice is back. The song that grabs me the most is his potent

version of Eric Burdon's "Don't Let Me Be Misunderstood". Of his return, he says: "I feel right about making music and singing about life in this fragile world again. It is important for me to be able to help bridge the cultural gaps others are sometimes frightened to cross." Go, Yusuf!

PRANAH

by Mark Biehl

Acuity Soundworks, 2006 (67mins)
Distributor: **USA**—Acuity Soundworks, tel (314) 361 6605, website <http://www.acuitysoundworks.com>

We've reviewed CDs of singing bowl tones in previous editions. This one by Mark Biehl uses authentic Tibetan singing bowls in compositions designed to assist in your meditation or breathwork. The use of resonant metal objects such as chimes and bells to achieve higher levels of consciousness goes back thousands of years, and Mark continues the tradition. The long, sustained tones of the tuned metal bowls bring relaxing, transpersonal effects into your life. Try them through this album.

INFINITE VOICE

by Darlene Koldenhoven

TimeArt Recordings, 2006 (53mins)
Distributor: **USA**—TimeArt Music; <http://www.darlenekoldenhoven.com>

Darlene Koldenhoven is a Grammy Award-winning artist known worldwide for her soprano solo "Aria" featured in *Yanni, Live at the Acropolis*. This, her newest classical crossover album, demonstrates her extraordinary five-octave vocal range and angelic, soul-soaring notes. She is also a keyboardist, producer, songwriter, arranger and composer. There are tracks featuring works by Stravinsky, Bach and Sting, as well as compositions/arrangements by Darlene, Brad Cole and Larry Steelman. Those who love the music of the film *The Mission* will enjoy Ennio Morricone's theme here, too. A sublime, inspirational album.



What's it like to eat a pomegranate?

You can see why the pomegranate was taken on long trips in ancient times and also why it is called "Nature's most labour-intensive fruit"! It is hardy, not given to pests or becoming rotten easily, and it's rather difficult to eat quickly...

Have the experience for yourself. Buy a full, rich, round fruit and open it up. You'll find a labyrinth of white sacs around the groupings of seeds or arils, densely packed with an enticing deep, rich, scarlet colour. Your mouth will be watering by this time... But the peel is tough, as you must be to break it, and then you need to be delicate as you peel away the whitish membranes which hold the seeds. Then are the arils finally exposed, and you can just go at them, dripping red from the mouth, having made sure you are not wearing anything white, or delicate or easily marked. Yes, it's best to be naked while eating a pomegranate! Eat one with a friend, then have your shower. I guarantee you'll have an experience that conjures up the Arabian nights, sensual pleasures, long langourous stories well into the night...

So you see, perhaps you can make this detour into sensuality once a week, but for

breakfast on your way to work you might find that you are better served with the juice from a bottle, juice that unknown workers have lovingly extracted from wildcrafted pomegranates plucked from mountain hillsides. It is my strong recommendation that you find such juice, do yourself a favour and drink a lot of it. And eat the fruit on the weekends!

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About the Author:

Tom Storey is the pseudonym for a writer and natural therapist who has been involved in vibrational medicine for over 30 years. He works in Australia and South America, and can be contacted by email at tstorey1@gmail.com.

Continued from page 30

The rest period of five days to two weeks between orgasmic events may mean that prolactin rises and androgen receptor levels fall as after conventional orgasm, but that the duration of the changes depends on the degree to which the body tensions have been neutralised. If there is a prolonged reduction of the dopamine level, as after conventional sex, it may be offset by increased oxytocin so that overall there is no negative emotional effect.

It is not clear if after Karezza there is a five- to 14-day period of decreased desire for sexual union, as is the case after Perfect Sex. Some authors seem to say so, while some modern couples may connect daily but often just lie together peacefully or in a meditative state, or snuggle up for comfort.

Any period of decreased desire may be much less pronounced with Karezza and may be mainly due to the contentment of being in a bio-energetic equilibrium rather than due to an unfavourable hormonal effect.

For more details on Perfect Sex, see <http://www.health-science-spirit.com/Sexuality.html>.

Continued next issue ...

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About the Author:

Walter Last worked as a biochemist and research chemist in the medical departments of several German universities and at Bio-Science Laboratories in Los Angeles, USA. Later he worked as a nutritionist and natural therapist in New Zealand and in Australia, where he is now based.

He has written numerous health-related journal articles as well as several books, including *Heal Yourself* and *Healing Foods* (Penguin). Presently in print are *The Natural Way to Heal* (Hampton Roads, 2004; see review in NEXUS 11/04) and the *Heal Yourself Series*—seven small books about overcoming specific diseases such as arthritis, asthma, cancer, candida, diabetes and weight problems; see web page http://www.theartof-life.com/Products_02.html. His article "The New Medicine of Dr Hamer", about Dr Ryke Geerd Hamer's discovery of the shock-conflict mechanism underlying cancer development, was published in NEXUS 10/05, and his article "How Scientific Are Orthodox Cancer Treatments?" was run in NEXUS 11/04.

Walter Last no longer has a clinic. For information on health questions, see his website <http://www.health-science-spirit.com>. Additional references for this article are available from Mr Last on request.

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He believes that conscious intent and awareness can keep negative patterns of thought in place, but can also be used positively to influence and change these energetic patterns for the better.

In effect, what you think matter does, really does matter in the invisible universe.

About Dr Harry Oldfield:

Harry Oldfield, DHom(Med), qualified as a homoeopathic physician in 1982 and received an Honorary Doctorate (Citation of Honour) from the World Peace Centre in Pune, India, in 2000. He was a Visiting Professor in the Department of Medicine at Grenada University in 2001, is a Professor Honoris Causa in the Department of Alternative Medicine, Zoroastrian College, Mumbai, India, and is a Fellow of the Royal Microscopical Society, Oxford. He is a regular speaker at international conferences.

More than 100 articles have been published on Dr Harry Oldfield's research in the UK and overseas,

including in publications such as the *British Medical Journal*, *Medical News Weekly*, the *Times*, *Guardian*, *Daily Mail* and *New York Times* and in all the major complementary medicine and healthcare magazines. His work has been featured in television programs in the UK and overseas, most recently in a 15-part television series on complementary medicine, shown worldwide on the Discovery Health channel in 2001.

Harry Oldfield's earlier research, especially on Kirlian photography, can be found in *The Dark Side of the Brain*, co-authored with Roger Coghill (published in 1988 by Element Books, it is currently out of print but copies can sometimes be found via the Internet). Dr Oldfield is the subject of the book *Harry Oldfield's Invisible Universe* by Jane and Grant Solomon, published in 1988 by Thorsons (ISBN 0-7225-3652-6).

Dr Oldfield's forthcoming schedule includes:

- a presentation on Electro-Crystal Therapy and PIP in Sarajevo on Friday 27 April 2007;
- a one-day workshop for PIP users,

including a presentation of his latest theories, in Kent, UK, on Saturday 2 June 2007;

- a one-day workshop with Dr Brian Dailey on "Visualisation of the Energy Field with Insight into Multi-Dimensional Reality" at the ISSSEEM 17th Annual Conference in Boulder, Colorado, on Friday 22 June 2007.

For more information, visit the websites <http://www.electrocrystal.com> and <http://www.oldfieldmicro.com>.

About the Author:

Evy King is the Managing Director of Oldfield Systems Ltd. She has accompanied Dr Harry Oldfield on his lecture tours of the world over the last two years and is working to support the diversity of his research and inventions. Born in New Zealand, Evy King is also an accomplished classical pianist now based in the UK.

In the production of this article, Evy King drew on Diana Holland's article "Harry Oldfield and His Invisible Universe", first published in the December 1999 edition of *Share International*.

to purify the character of bygone popes but Dr Ludwig Pastor (1854–1928), German Catholic historian of the papacy, frankly admitted the extent of their irreverence, noting that "the evidence against our Holy Fathers is so strong as to render it impossible to restore their reputation" (*History of the Popes from the Close of the Middle Ages*, Ludwig Pastor Freiherr von Campersfelden; quoted in *A History of the Popes*, Dr Joseph McCabe, op. cit., vol. 2).

The mighty spiritual power which popes possess, which is said to be so valuable to Christians, led to the most licentious, cruel and dishonourable organisation known in the history of civilisation. The apologist who tells his readers that the popes were a fine constructive force is flagrantly opposing historical facts.

The Cambridge Modern History, a most judicious authority, says that "the world has rarely seen a more debased standard of morality than that which prevailed under the popes in the closing years of the Middle Ages" (vol. 1, p. 673). To this could be added the opinion of this author, based on many years of research, that the true extent of the disgrace of the papal office was continuous from before the time of the Holy

Roman Emperor Charlemagne (d. 814) until well after the Council of Trent (1545–63) and was eradicated only under the pressure of Protestantism.

Most Catholics don't know about the real story of the history of the Church, nor about the harsh and impious nature of their popes. But as they begin to peer over the barriers the Catholic hierarchy has raised, they see that the illustrious and authoritative passivity recorded of the popes has been won by false pretence.

The modern-day claim that popes promoted the mental awakening of Europe is a particularly bold misrepresentation of the facts. The world is learning that the papacy, instead of having guided Europe along a path towards civilisation, has even in its best representatives inaugurated centuries of conflict and degradation.

The papal office is unique in the history of religion, not only for the high proportion of disreputable men who have sat in the pontifical chair but for the blood it has shed in defence of its power, the dishonesty of its credentials and the record of treason to its own ideals.

About the Author:

Tony Bushby, an Australian, became a businessman and entrepreneur very early in his life. He established a magazine-publishing business and spent 20 years researching, writing and publishing his own magazines, primarily for the Australian and New Zealand markets. With his strong interest in metaphysical subjects, he has developed longstanding relationships with many associations and societies throughout the world that have assisted his research by making their archives available.

Tony is the author of *The Bible Fraud* (2001; reviewed in NEXUS 8/06 with extracts in NEXUS 9/01–03), *The Secret in the Bible* (2003; reviewed 11/02, extract "Ancient Cities under the Sands of Giza" in 11/03) and *The Crucifixion of Truth* (2005; 12/02). His new book *The Twin Deception* was released in January 2007 (see review this issue). These books are available from NEXUS offices and from Joshua Books, <http://www.joshuabooks.com>.

As Tony Bushby vigorously protects his privacy, any correspondence should be sent to him c/- NEXUS Magazine, PO Box 30, Mapleton Qld 4560, Australia, fax +61 (0)7 5442 9381.

